

Disclaimer: Please note that only the Italian version of the present call for applications, issued with Rector's Decree 2882 dated 06.06.2024, is legally binding, the English version is provided for informational purposes only. The original Italian version is available at <https://unige.it/usg/it/dottorati-di-ricerca>

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Course: ARCHITECTURE AND DESIGN**Curriculum: ARCHITECTURE (CODE 10458)**

Course Coordinator: Giberti Massimiliano	
Department of Architecture and Design (Dipartimento di Architettura e Design - DAD)	
Places: 6 – Grants: 4 (*)	
(*) 2 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (*) 1 grant funded within D.M. 630 dated 24.4.2024 (cofunded by SHL), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (CUP D32B24000550008) (*) 1 grant cofunded by MUR/Department (DAD), the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (°) 2 places reserved for employees Institute of Advanced Architecture Company	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	23.07.2024 – time 9.30 The interview will be held in person.
Further information on how to present qualifications/publications	Every candidate is asked to present a research project proposal, which should be structured as follows: -research goals -research methods -innovation criteria with respect to the discipline's current scientific landscape -bibliography -research impact factor The research project proposal should contain max. 15.000 characters (excluding spaces), including the bibliography. The aforementioned project will then be evaluated by the Commission together with your qualifications and will be discussed during the oral exam. On the day of the exam, candidates can present a portfolio relating to their previous studies/research experience.
Exam Syllabus	Interview on the submitted research project, the PhD course topics, and the candidate's specific interests in the field. English language test.
Research Themes	The research topics stated below make up part of the overall evaluation and are related to the four components of the PhD course material: <ul style="list-style-type: none"> • Territorial Strategies Policies and Perspectives; • Theory of Design; • Strategies and technologies for sustainability and systemic design; • Visual languages and communication. Specific research projects relating to grants financed under Ministerial Decree 630 of 24.4.2024, grants co-financed with ATENEO/Departmental funds are described and available at https://add.dottorato.unige.it/
Information on references	Letters of recommendation are not requested. Any letter of recommendation received shall not be taken into consideration.
Foreign Languages	English
Further Information	Dott.ssa Michela Mazzucchelli (+39)0102095810 dottoratodad@unige.it https://add.dottorato.unige.it/ https://architettura.unige.it/

Course: ARCHITECTURE AND DESIGN**Curriculum: ARCHITECTURE (CODE 10459)**

Course Coordinator: Giberti Massimiliano	
Department of Architecture and Design (Dipartimento di Architettura e Design - DAD)	
Places: 3 – Grants: 3 (*)	
(*) 3 grants funded under REGIONAL PROGRAMME EUROPEAN SOCIAL FUND+ 2021-2027 PRIORITY 2 - EDUCATION AND TRAINING - ESO 4.6 (OS-f) in collaboration with and with the contribution of 1_RINA Prime SpA, 2_BeDimensional S.p.A., 3_INTERPLAN ENGINEERING & CONSTRUCTIONS S.R.L., under condition of approval of the project and its funding; the annual amount of the grant, gross of social security charges borne by the recipient, is € 16,500 Project: 1_ The perception of social and urban impact in the evaluation of architecture, 2_ Applications of two-dimensional materials for intelligent and sustainable cementitious composites, 3_ Inhabiting two seas: hypotheses for new settlement practices between the Adriatic and Ligurian Seas	
Comparative assessment procedure	<p>QUALIFICATIONS/PUBLICATIONS AND EXAM</p> <ul style="list-style-type: none"> • Assessment of qualifications/publications and the curriculum vitae et studiorum • Written test (research project) • Interview that includes the description of the candidate's research area of interest, also on the basis of previous activities stated in his/her scientific professional curriculum
Interview	<p>23/07/2024 – time 9.30 The interview will be held in person.</p>
Further information on how to present qualifications/publications	<p>Every candidate is asked to present a research project proposal, which should be structured as follows: -research goals -research methods -innovation criteria with respect to the discipline's current scientific landscape -bibliography-research impact factor The research project proposal should contain max. 15.000 characters (excluding spaces), including the bibliography. The aforementioned project will then be evaluated by the Commission together with your qualifications and will be discussed during the oral exam. On the day of the exam, candidates can present a portfolio relating to their previous studies/research experience.</p>
Exam Syllabus	<p>Interview on the submitted research project, the PhD course topics, and the candidate's specific interests in the field. English language test.</p>
Research Themes	<p>Research topics are related to the following areas: - application of AI in evaluations of complex architectural systems; - technological innovation and applications of intelligent materials; - new settlement models Research project for grant within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f): 1_ The perception of social and urban impact in the evaluation of architecture, 2_ Applications of two-dimensional materials for intelligent and sustainable cementitious composites, 3_ Inhabiting two seas: hypotheses for new settlement practices between the Adriatic and Ligurian Seas Specific research projects relating to grants financed are described and available at https://add.dottorato.unige.it</p>
Information on references	<p>Letters of reference are not required. Any letters of reference however received will not be considered for scoring purposes.</p>
Foreign Languages	<p>English</p>
Further Information	<p>Dott.ssa Michela Mazzucchelli (+39)0102095810 dottoratodad@unige.it https://architettura.unige.it/ https://add.dottorato.unige.it/</p> <p>Further information about commitments and conditions of the grants funded within</p>

PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2
- ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) are available in the Notice of competition (article 6, paragraph 6)

Months to be spent abroad: 0

Course: ARCHITECTURE AND DESIGN**Curriculum: DESIGN (CODE 10460)**

Course Coordinator: Giberti Massimiliano	
Department of Architecture and Design (Dipartimento di Architettura e Design - DAD)	
Places: 2 – Grants: 2 (*)	
(*) 2 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	22/7/2024 – time 9.30 The interview will be held in person.
Further information on how to present qualifications/publications	Every candidate is asked to present a research project proposal, which should be structured as follows: -research goals -research methods -innovation criteria with respect to the discipline's current scientific landscape -bibliography-research impact factor The research project proposal should contain max. 15.000 characters (excluding spaces), including the bibliography. The aforementioned project will then be evaluated by the Commission together with your qualifications and will be discussed during the oral exam. On the day of the exam, candidates can present a portfolio relating to their previous studies/research experience.
Exam Syllabus	Interview on the submitted research project, the PhD course topics, and the candidate's specific interests in the field. English language test.
Research Themes	The research topics stated below make up part of the overall evaluation and are related to the four components of the PhD course material: <ul style="list-style-type: none"> • Territorial Strategies Policies and Perspectives; • Theory of Design; • Strategies and technologies for sustainability and systemic design • Visual languages and communication
Information on references	Letters of recommendation are not requested. Any letter of recommendation received shall not be taken into consideration.
Foreign Languages	English
Further Information	Dott.ssa Michela Mazzucchelli (+39)0102095810 dottoratodad@unige.it https://add.dottorato.unige.it/ https://architettura.unige.it/

Course: BIOENGINEERING AND ROBOTICS**In agreement with the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia – IIT)****Curriculum: BIOENGINEERING (CODE 10462)**

Course Coordinator: Massobrio Paolo	
Department of Informatics, Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi – DIBRIS)	
Places: 12 (°) – Grants: 11 (*)	
<p>(*) 6 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00</p> <p>(*) 1 grant funded within D.M. 629 dated 24.4.2024 (Ricerca PNRR), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00 (CUP D32B24000420006)</p> <p>(*) 3 grants funded within D.M. 630 dated 24.4.2024 under condition to the approval of Ministerial funding cofunded by:</p> <ul style="list-style-type: none"> • IRCCS G. Gaslini; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00 (CUP D32B24000780008) • Fondazione Italiana Sclerosi Multipla FISM-ETS; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00 (CUP D32B24000780008) • Genoa Instruments S.r.l., the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 19.500,00 (CUP D32B24000780008) <p>(*) 1 grant funded by Consiglio Nazionale delle Ricerche (CNR), the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 19.500,00.</p> <p>(°) 1 position reserved for IRCCS G. Gaslini employees.</p>	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS
Further information on how to present qualifications/publications	<p>Candidates must submit:</p> <ul style="list-style-type: none"> - the complete list of all the exams sat during their Bachelor’s and Master’s degree and/or equivalents (BS, Master) specifying the average of marks or equivalent indicator. - the specific research themes candidates want to be evaluated on (see the list of research themes listed below and on the doctorate website: https://biorob.phd.unige.it/how-to-apply); - a project proposal related to one (or more) of the research themes offered (please use the template available at the website: https://biorob.phd.unige.it/how-to-apply); - a curriculum vitae et studiorum including all the technical scientific studies/activities already done and pertinent to the doctoral programme; - endorsement letters (maximum 3) from university professors or recognized experts in the field supporting the candidate. - the Candidate Summary Profile form available at https://biorob.phd.unige.it/how-to-apply.
Research Themes	<p>The following research themes are proposed:</p> <ol style="list-style-type: none"> 1. Sleep Maturation Very Low Birth Weight Preterm Infants 2. Magneto-electric nanoparticles for bio-hybrid interfaces for medical robotics and drug management and delivery (CNR) 3. Ultrasound stimulation for neuronal regeneration 4. Development of Intracortical Neurostimulation Techniques and Software Tools for Stroke Recovery 5. Neurophysiological effects of sleep-based electroceutical therapy for motor rehabilitation in an animal model of stroke 6. Unraveling computational properties of <i>in vitro</i> neuronal networks 7. Human brain-on-a-chip models for personalized medicine 8. <i>In Vitro</i> Approaches to Studying Amyotrophic Lateral Sclerosis 9. Interconnected brain-regions-on-a-chip to investigate new therapeutic approaches 10. Embodied perception issues in the development of interactive intelligence 11. Patient digital twins and robotic agents to understand neuromotor impairment and to promote recovery 12. Haptic interfaces and game theory to study interaction capabilities of people with cognitive decline 13. Diversity-aware driving simulator for assessment and training of cognitive and sensorimotor abilities 14. Enhancing fatigability assessment and treatment using digital and robotic technologies for individuals with Multiple Sclerosis (d.m. 630, Fondazione Italiana Sclerosi Multipla FISM-ETS) 15. AI-Powered Assistance for Detecting and Monitoring Neurological Disorders in pediatric populations (d.m. 630, IRCCS G. Gaslini) 16. Photon-Resolved Image Scanning Microscopy for Organoid Research and Generation (d.m. 630, Genoa Instruments srl)

	The detailed description of the research themes can be found at the following link: https://biorob.phd.unige.it/how-to-apply
Information on references	Candidates must choose not less than one and not more than three referees to endorse their candidature. The referees must be university professors or recognized experts in the field, and must send the reference letters (specifying their name, role and affiliation), within the deadline of the public notice, to the Coordinator of the Doctoral Course at the following address: phd.biorob@dibris.unige.it .
Foreign Languages	English
Further Information	<p>- The detailed description of the research themes can be found at the following links: https://biorob.phd.unige.it/how-to-apply</p> <p>- The template for the research project can be found at the following link: https://biorob.phd.unige.it/how-to-apply</p> <p>- The candidate summary profile form can be found at the following link: https://biorob.phd.unige.it/how-to-apply</p> <p>For further information about the research themes please contact: Prof. Paolo Massobrio paolo.massobrio@unige.it</p>

Course: BIOENGINEERING AND ROBOTICS

In agreement with the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia – IIT)

Curriculum: BIOENGINEERING (CODE 10463)

Course Coordinator: Massobrio Paolo	
Department of Informatics, Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi – DIBRIS)	
Places: 2 – Grants: 2 (*)	
(*) 1 grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of IRCCS G. Gaslini under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 19.500. Research project: Management of technologies and their innovation within a pediatric IRCCS, starting from HTA (IRCCS G. Gaslini)	
(*) 1 grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of Scuola di Robotica under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500. Research project: Technologies and methods to monitor, assess and train people with special needs with a focus on neurocognitive impairments (Scuola di Robotica)	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND EXAM <ul style="list-style-type: none"> • Assessment of qualifications/publications and the curriculum vitae et studiorum • Written test (research project) • Interview that includes the description of the candidate’s research area of interest, also on the basis of previous activities stated in his/her scientific professional curriculum
Interview	Interviews are scheduled on 24.07.2024 at 10.30 (CEST) at DIBRIS, via Opera Pia 13, Genova. The schedule of video conference interviews will be fixed according to the availability of the commission members
Further information on how to present qualifications/publications	Candidates must submit: <ul style="list-style-type: none"> - the complete list of all the exams sat during their Bachelor’s and Master’s degree and/or equivalents (BS, Master) specifying the average of marks or equivalent indicator. - the specific research themes candidates want to be evaluated on (see the list of research themes listed below and on the doctorate website: https://biorob.phd.unige.it/how-to-apply); - a project proposal related to one (or more) of the research themes offered (please use the template available at the website: https://biorob.phd.unige.it/how-to-apply); - a curriculum vitae et studiorum including all the technical scientific studies/activities already done and pertinent to the doctoral programme; - endorsement letters (maximum 3) from university professors or recognized experts in the field supporting the candidate. - the Candidate Summary Profile form available at https://biorob.phd.unige.it/how-to-apply.
Research Themes	Research project for grant within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) : <ul style="list-style-type: none"> - Management of technologies and their innovation within a pediatric IRCCS, starting from HTA (IRCCS G. Gaslini) - Technologies and methods to monitor, assess and train people with special needs with a focus on neurocognitive impairments (Scuola di Robotica)
Information on references	Candidates must choose not less than one and not more than three referees to endorse their candidature. The referees must be university professors or recognized experts in the field, and must send the reference letters (specifying their name, role and affiliation), within the deadline of the public notice, to the Coordinator of the Doctoral Course at the following address: phd.biorob@dibris.unige.it .
Foreign Languages	English
Further Information	Further information about commitments and conditions of the grants funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) are available in the Notice of competition (article 6, paragraph 6) Months to be spent abroad: 0

Course: BIOENGINEERING AND ROBOTICS

In agreement with the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia – IIT)

Curriculum: BIONANOTECHNOLOGY (CODE 10464)

Course Coordinator: Massobrio Paolo	
Department of Informatics, Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi – DIBRIS)	
Places: 4 – Grants: 4 (*)	
(*) 4 grant funded by The Italian Institute of Technology (IIT), the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS
Further information on how to present qualifications/publications	<p>Candidates must submit:</p> <ul style="list-style-type: none"> - the complete list of all the exams sat during their Bachelor’s and Master’s degree and/or equivalents (BS, Master) specifying the average of marks or equivalent indicator. - the specific research themes candidates want to be evaluated on (see the list of research themes listed below and on the doctorate website: https://biorob.phd.unige.it/how-to-apply); - a project proposal related to one (or more) of the research themes offered (please use the template available at the website: https://biorob.phd.unige.it/how-to-apply); - a curriculum vitae et studiorum including all the technical scientific studies/activities already done and pertinent to the doctoral programme; - endorsement letters (maximum 3) from university professors or recognized experts in the field supporting the candidate. - the Candidate Summary Profile form available at https://biorob.phd.unige.it/how-to-apply.
Research Themes	<p>The following research themes are proposed:</p> <ol style="list-style-type: none"> 1. Wide-Filed Fluorescence Lifetime Microscopy 2. Development of Sustainable and Flexible Electronic Systems 3. Development of Sustainable Biocomposite Materials for Food Packaging and Agricultural Applications ^[1] 4. Hybrid interfaces between nanosensors and neuronal tissues <p>For further details check: https://biorob.phd.unige.it/how-to-apply https://www.iit.it/phd</p>
Information on references	<p>Candidates must choose not less than one and not more than three referees to endorse their candidature. The referees must be university professors or recognized experts in the field, and must send the reference letters (specifying their name, role and affiliation), within the deadline of the public notice, to the Coordinator of the Doctoral Course at the following address: phd.biorob@dibris.unige.it</p>
Foreign Languages	English
Further Information	<ul style="list-style-type: none"> - The detailed description of the research themes can be found at the following links: https://biorob.phd.unige.it/how-to-apply https://www.iit.it/phd - The template for the research project can be found at the following link: https://biorob.phd.unige.it/how-to-apply - The candidate summary profile form can be found at the following link: https://biorob.phd.unige.it/how-to-apply <p>For further information about the research themes please contact: Dr. Giuseppe Vicidomini (IIT) giuseppe.vicidomini@iit.it</p>

[1] Research theme updated after the publication of the Notice of competition (D.R. 2882 dated 6.06.2024)

Course: BIOENGINEERING AND ROBOTICS

In agreement with the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia – IIT)

Curriculum: COGNITIVE ROBOTICS, INTERACTION AND REHABILITATION TECHNOLOGIES (CODE 10465)

Course Coordinator: Massobrio Paolo	
Department of Informatics, Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi – DIBRIS)	
Places: 6 – Grants: 6 (*)	
(*) 6 grant funded by The Italian Institute of Technology (IIT), the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS
Further information on how to present qualifications/publications	<p>Candidates must submit:</p> <ul style="list-style-type: none"> - the complete list of all the exams sat during their Bachelor’s and Master’s degree and/or equivalents (BS, Master) specifying the average of marks or equivalent indicator. - the specific research themes candidates want to be evaluated on (see the list of research themes listed below and on the doctorate website: https://biorob.phd.unige.it/how-to-apply); - a project proposal related to one (or more) of the research themes offered (please use the template available at the website: https://biorob.phd.unige.it/how-to-apply); - a curriculum vitae et studiorum including all the technical scientific studies/activities already done and pertinent to the doctoral programme; - endorsement letters (maximum 3) from university professors or recognized experts in the field supporting the candidate. - the Candidate Summary Profile form available at https://biorob.phd.unige.it/how-to-apply.
Research Themes	<p>The following research themes are proposed:</p> <ol style="list-style-type: none"> 1. Multisensory development: cortical and behavioral mechanisms (3 positions available for this Research project) 2. Adaptation in Cognitive Architectures for Human Robot Interaction 3. Cognitive-inspired architectural approach for AI in human-robot interaction 4. Affective communication in human robot interaction: behavioral and neural perspectives 5. Development of novel user experience metrics to evaluate lower and upper limbs exoskeletons for rehabilitation <p>For further details check: https://biorob.phd.unige.it/how-to-apply https://www.iit.it/phd</p>
Information on references	<p>Candidates must choose not less than one and not more than three referees to endorse their candidature. The referees must be university professors or recognized experts in the field, and must send the reference letters (specifying their name, role and affiliation), within the deadline of the public notice, to the Coordinator of the Doctoral Course at the following address: phd.biorob@dibris.unige.it.</p>
Foreign Languages	English
Further Information	<p>- The detailed description of the research themes can be found at the following links: https://biorob.phd.unige.it/how-to-apply https://www.iit.it/phd</p> <p>- The template for the research project can be found at the following link: https://biorob.phd.unige.it/how-to-apply</p> <p>- The candidate summary profile form can be found at the following link: https://biorob.phd.unige.it/how-to-apply</p> <p>For further information about the research themes please contact: Dr. Alessandra Sciutti (IIT) alessandra.sciutti@iit.it</p>

Course: BIOENGINEERING AND ROBOTICS

In agreement with the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia – IIT)

Curriculum: ROBOTICS AND AUTONOMOUS SYSTEMS (CODE 10466)

Course Coordinator: Massobrio Paolo	
Department of Informatics, Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi – DIBRIS)	
Places: 1 – Grants: 1 (*)	
(*) 1 grant funded by Department (DIBRIS), the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS
Further information on how to present qualifications/publications	<p>Candidates must submit:</p> <ul style="list-style-type: none"> - the complete list of all the exams sat during their Bachelor's and Master's degree and/or equivalents (BS, Master) specifying the average of marks or equivalent indicator. - the specific research themes candidates want to be evaluated on (see the list of research themes listed below and on the doctorate website: https://biorob.phd.unige.it/how-to-apply); - a project proposal related to one (or more) of the research themes offered (please use the template available at the website: https://biorob.phd.unige.it/how-to-apply); - a curriculum vitae et studiorum including all the technical scientific studies/activities already done and pertinent to the doctoral programme; - endorsement letters (maximum 3) from university professors or recognized experts in the field supporting the candidate. - the Candidate Summary Profile form available at https://biorob.phd.unige.it/how-to-apply.
Research Themes	<p>The following research themes are proposed:</p> <ol style="list-style-type: none"> 1. Coordination and control of a team of UAVs for cooperative load transportation 2. Underwater Inspection and Maintenance with Marine Robots 3. Robot avatars and their embodiment 4. A multi-modal, cognitive extension to surgeons for robot-assisted surgery 5. Methods and techniques to synthesize in-hand manipulation actions 6. A distributed, cognitive architecture for Cephalopods-inspired robots <p>The detailed description of the research themes can be found at the following link: https://biorob.phd.unige.it/how-to-apply</p>
Information on references	<p>Candidates must choose not less than one and not more than three referees to endorse their candidature. The referees must be university professors or recognized experts in the field, and must send the reference letters (specifying their name, role and affiliation), within the deadline of the public notice, to the Coordinator of the Doctoral Course at the following address: phd.biorob@dibris.unige.it.</p>
Foreign Languages	English
Further Information	<ul style="list-style-type: none"> - The detailed description of the research themes can be found at the following links: https://biorob.phd.unige.it/how-to-apply - The template for the research project can be found at the following link: https://biorob.phd.unige.it/how-to-apply - The candidate summary profile form can be found at the following link: https://biorob.phd.unige.it/how-to-apply <p>For further information about the research themes please contact: Prof. Giorgio Cannata giorgio.cannata@unige.it</p>

Course: BIOENGINEERING AND ROBOTICS

In agreement with the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia – IIT)

Curriculum: ROBOTICS AND AUTONOMOUS SYSTEMS (CODE 10467)

Course Coordinator: Massobrio Paolo	
Department of Informatics, Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi – DIBRIS)	
Places: 1 – Grants: 1 (*)	
(*) 1 grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of Hiro Robotics Srl. under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 19.500. Research project: Robotics and AI for electronic waste recycling (Hiro Robotics Srl.)	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND EXAM <ul style="list-style-type: none"> • Assessment of qualifications/publications and the curriculum vitae et studiorum • Written test (research project) • Interview that includes the description of the candidate’s research area of interest, also on the basis of previous activities stated in his/her scientific professional curriculum
Interview	Interviews are scheduled on 24.07.2024 at 10.30 (CEST) at DIBRIS, via Opera Pia 13, Genova. The schedule of video conference interviews will be fixed according to the availability of the commission members
Further information on how to present qualifications/publications	Candidates must submit: <ul style="list-style-type: none"> - the complete list of all the exams sat during their Bachelor’s and Master’s degree and/or equivalents (BS, Master) specifying the average of marks or equivalent indicator. - the specific research themes candidates want to be evaluated on (see the list of research themes listed below and on the doctorate website: https://biorob.phd.unige.it/how-to-apply); - a project proposal related to one (or more) of the research themes offered (please use the template available at the website: https://biorob.phd.unige.it/how-to-apply); - a curriculum vitae et studiorum including all the technical scientific studies/activities already done and pertinent to the doctoral programme; - endorsement letters (maximum 3) from university professors or recognized experts in the field supporting the candidate. - the Candidate Summary Profile form available at https://biorob.phd.unige.it/how-to-apply.
Research Themes	Research project for grant within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) : <ul style="list-style-type: none"> - Robotics and AI for electronic waste recycling (Hiro Robotics Srl.)
Information on references	Candidates must choose not less than one and not more than three referees to endorse their candidature. The referees must be university professors or recognized experts in the field, and must send the reference letters (specifying their name, role and affiliation), within the deadline of the public notice, to the Coordinator of the Doctoral Course at the following address: phd.biorob@dibris.unige.it .
Foreign Languages	English
Further Information	Further information about commitments and conditions of the grants funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) are available in the Notice of competition (article 6, paragraph 6) <p>Months to be spent abroad: 0</p>

Course: BIOTECHNOLOGIES IN TRANSLATIONAL MEDICINE**Curriculum: BIOIMAGING (CODE 10468)**

Course Coordinator: Malatesta Paolo	
Department of Experimental Medicine (Dipartimento di Medicina Sperimentale – DIMES)	
Places: 2 – Grants: 2 (*)	
(*) 1 grant funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00; (*) 1 grant funded within D.M. 630 dated 24.4.2024 (co-financed by Esaote Spa), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (CUP D32B24000560008)	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	23 th July 2024 - h. 14.00 - in presence at the Classroom 1 of Polo Alberti (Via L.B. Alberti, n.4 - Genova), alternatively, if unable for justified reasons to participate in the presence, the interview can be carried out via skype, by sending a request by e-mail, by 15 th July 2024, to the Secretariat enrico.zeraschi@unige.it The ranking of the evaluation of qualifications, with the indication of admission or non-admission to the interview, will be sent to all candidates by e-mail, by h. 13.00 of 23 th July 2024 - h. 14.00.
Further information on how to present qualifications/publications	All candidates are asked to submit a research project proposal (max 2 A4 sheets, font size 12) together with the qualifications. The project will be evaluated by the commission together with the qualifications and discussed during the oral interview.
Exam Syllabus	Interview on the titles and on the research project presented.
Research Themes	Methods for the morphological and functional imaging of inflammatory, degenerative and neoplastic diseases.
Information on references	No letters of reference are required. Any reference letters received in any case will not be taken into consideration for scoring purposes.
Foreign Languages	English
Further Information	Coordinator: Prof. Paolo Malatesta - Department of Experimental Medicine - Tel. 0105558403 - paolo.malatesta@unige.it Curriculum contact person (to whom to request scientific information): Prof. Gianmario Sambuceti - Department of Health Sciences - Tel. 0105552026 - gianmario.sambuceti@unige.it Organizing Secretariat (to request technical information): Mr. Enrico Zeraschi - Department of Experimental Medicine - Tel. 0105558266 - enrico.zeraschi@unige.it

Course: BIOTECHNOLOGIES IN TRANSLATIONAL MEDICINE**Curriculum: CELLULAR AND MOLECULAR BIOTECHNOLOGIES (CODE 10469)**

Course Coordinator: Malatesta Paolo	
Department of Experimental Medicine (Dipartimento di Medicina Sperimentale – DIMES)	
Places: 2 – Grants: 1 (*)	
(*) 1 grant funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	23 th July 2024 - h. 14.00 - in presence at the Classroom 1 of Polo Alberti (Via L.B. Alberti, n.4 - Genova), alternatively, if unable for justified reasons to participate in the presence, the interview can be carried out via skype, by sending a request by e-mail, by 15 th July 2024, to the Secretariat enrico.zeraschi@unige.it The ranking of the evaluation of qualifications, with the indication of admission or non-admission to the interview, will be sent to all candidates by e-mail, by h. 13.00 of 23 th July 2024 - h. 14.00.
Further information on how to present qualifications/publications	A tutti i candidati viene richiesto di presentare una proposta di progetto di ricerca (max 2 fogli A4 dimensione carattere 12) insieme ai titoli. Il progetto sarà valutato da parte della commissione insieme ai titoli ed oggetto di discussione durante il Interview orale.
Exam Syllabus	Interview on the titles and on the research project presented.
Research Themes	Molecular and cellular biology of neuroblastoma and gliomas.
Information on references	No letters of reference are required. Any reference letters received in any case will not be taken into consideration for scoring purposes.
Foreign Languages	English
Further Information	Coordinator: Prof. Paolo Malatesta - Department of Experimental Medicine - Tel. 0105558403 paolo.malatesta@unige.it Curriculum contact person (to whom to request scientific information): Prof. Aldo Pagano - Department of Experimental Medicine - Tel. 0105558213 - aldo.pagano@unige.it Organizing Secretariat (to request technical information): Mr. Enrico Zeraschi - Department of Experimental Medicine - Tel. 0105558266 - enrico.zeraschi@unige.it

Course: BIOTECHNOLOGIES IN TRANSLATIONAL MEDICINE**Curriculum: TRANSLATIONAL SURGERY (CODE 10470)**

Course Coordinator: Malatesta Paolo	
Department of Experimental Medicine (Dipartimento di Medicina Sperimentale – DIMES)	
Places: 1 – Grants: 0	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	23 th July 2024 - h. 14.00 - in presence at the Classroom 1 of Polo Alberti (Via L.B. Alberti, n.4 - Genova), alternatively, if unable for justified reasons to participate in the presence, the interview can be carried out via skype, by sending a request by e-mail, by 15 th July 2024, to the Secretariat enrico.zeraschi@unige.it The ranking of the evaluation of qualifications, with the indication of admission or non-admission to the interview, will be sent to all candidates by e-mail, by h. 13.00 of 23 th July 2024 - h. 14.00.
Further information on how to present qualifications/publications	All candidates are asked to submit a research project proposal (max 2 A4 sheets, font size 12) together with the qualifications. The project will be evaluated by the commission together with the qualifications and discussed during the oral interview.
Exam Syllabus	Interview on the titles and on the research project presented.
Research Themes	Advanced diagnostic and therapeutic approaches and technologies in aortic vascular surgery.
Information on references	No letters of reference are required. Any reference letters received in any case will not be taken into consideration for scoring purposes.
Foreign Languages	English
Further Information	Coordinator: Prof. Paolo Malatesta - Department of Experimental Medicine - Tel. 0105558403 - paolo.malatesta@unige.it Curriculum contact person (to whom to request scientific information): Prof. Marco Frascio - Department of Surgical Sciences and Integrated Diagnostics - Tel. 0103537217 - mfrascio@unige.it Organizing Secretariat (to request technical information): Mr. Enrico Zeraschi - Department of Experimental Medicine - Tel. 0105558266 - enrico.zeraschi@unige.it

Course: BIOTECHNOLOGIES IN TRANSLATIONAL MEDICINE**Curriculum: REGENERATIVE MEDICINE AND TISSUE ENGINEERING (CODE 10471)**

Course Coordinator: Malatesta Paolo	
Department of Experimental Medicine (Dipartimento di Medicina Sperimentale – DIMES)	
Places: 1 – Grants: 1 (*)	
(*) 1 grant funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	23 th July 2024 - h. 14.00 - in presence at the Classroom 1 of Polo Alberti (Via L.B. Alberti, n.4 - Genova), alternatively, if unable for justified reasons to participate in the presence, the interview can be carried out via skype, by sending a request by e-mail, by 15 th July 2024, to the Secretariat enrico.zeraschi@unige.it The ranking of the evaluation of qualifications, with the indication of admission or non-admission to the interview, will be sent to all candidates by e-mail, by h. 13.00 of 23 th July 2024 - h. 14.00.
Further information on how to present qualifications/publications	All candidates are asked to submit a research project proposal (max 2 A4 sheets, font size 12) together with the qualifications. The project will be evaluated by the commission together with the qualifications and discussed during the oral interview.
Exam Syllabus	Interview on the titles and on the research project presented.
Research Themes	Three-dimensional models of bone tumors.
Information on references	No letters of reference are required. Any reference letters received in any case will not be taken into consideration for scoring purposes.
Foreign Languages	English
Further Information	Coordinator: Prof. Paolo Malatesta - Department of Experimental Medicine - Tel. 0105558403 - paolo.malatesta@unige.it Curriculum contact person (to whom to request scientific information): Prof. Paolo Giannoni - Department of Experimental Medicine - Tel. 0105558436 - paolo.giannoni@unige.it Organizing Secretariat (to request technical information): Mr. Enrico Zeraschi - Department of Experimental Medicine - Tel. 0105558266 - enrico.zeraschi@unige.it

Course: BIOTECHNOLOGIES IN TRANSLATIONAL MEDICINE**Curriculum: TRANSLATIONAL AND PRECISION MEDICINE (CODE 10472)**

Course Coordinator: Malatesta Paolo	
Department of Experimental Medicine (Dipartimento di Medicina Sperimentale – DIMES)	
Places: 3 – Grants: 3 (*)	
(*) 2 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00; (*) 1 grant funded cofunded by MUR/Department (DIMES), the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	23 th July 2024 - h. 14.00 - in presence at the Classroom 1 of Polo Alberti (Via L.B. Alberti, n.4 - Genova), alternatively, if unable for justified reasons to participate in the presence, the interview can be carried out via skype, by sending a request by e-mail, by 15 th July 2024, to the Secretariat enrico.zeraschi@unige.it The ranking of the evaluation of qualifications, with the indication of admission or non-admission to the interview, will be sent to all candidates by e-mail, by h. 13.00 of 23 th July 2024 - h. 14.00.
Further information on how to present qualifications/publications	All candidates are asked to submit a research project proposal (max 2 A4 sheets, font size 12) together with the qualifications. The project will be evaluated by the commission together with the qualifications and discussed during the oral interview.
Exam Syllabus	Interview on the titles and on the research project presented.
Research Themes	Innovative diagnostic approaches in the diagnosis of autoimmune dermatoses: integration of computational analysis and artificial intelligence applied to immunofluorescence methodology; Mechanisms of gonadotoxicity of new targeted therapies and impact of pathogenic variants in the BRCA genes; Development of innovative therapeutic approaches for the delivery of bioactive molecules via extracellular vesicles.
Information on references	No letters of reference are required. Any reference letters received in any case will not be taken into consideration for scoring purposes.
Foreign Languages	English
Further Information	Coordinator: Prof. Paolo Malatesta - Department of Experimental Medicine - Tel. 0105558403 - paolo.malatesta@unige.it Curriculum contact person (to whom to request scientific information): Prof. Sveva Bollini - Department of Experimental Medicine - Tel. 0105558394 – sveva.bollini@unige.it Organizing Secretariat (to request technical information): Mr. Enrico Zeraschi - Department of Experimental Medicine - Tel. 0105558266 - enrico.zeraschi@unige.it

Course: CIVIL, CHEMICAL AND ENVIRONMENTAL ENGINEERING**Curriculum: CHEMICAL, MATERIALS AND PROCESS ENGINEERING (CODE 10473)**

Course Coordinator: Massabò Roberta	
Department of Civil, Chemical and Environmental Engineering (Dipartimento di Ingegneria Civile, Chimica e Ambientale – DICCA)	
Places: 3 – Grants: 3 (*)	
(*) 2 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500. (*) 1 grant funded within D.M. 630 dated 24.4.2024 (cofunded by: Paul Wurth SMS Group), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500 (CUP D32B24000790008) Research Project: “Sustainable Refractory Solutions: Localizing Raw Material Sourcing for the Iron & Steel Industry”.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	25.07.24, 9:00 am, room A7 Polytechnic School, UNIGE, Via Montallegro 1, 16145 Genoa. Should there be a high number of candidates, the interviews will continue on the following working day. The interview may also take place electronically, on candidates' request or if necessary due to the health situation. Candidates requesting online interview must contact the doctoral secretarial staff (dottorato.dicca@unige.it) and Prof. Attilio Converti (converti@unige.it) at least 15 days before the evaluation. Candidates must have a reliable Internet connection to allow for the interview to be carried out. The list of candidates admitted to the interview will be posted on https://dicca.dottorato.unige.it/phd_call the day before at noon.
Further information on how to present qualifications/publications	The application (curriculum vitae) must contain Transcripts of Records, stating the courses attended and marks obtained throughout the candidate's university career (Bachelor and M.Sc. degrees; Laurea Triennale and Magistrale degrees). The transcripts of Records must be official documents released by the universities which awarded the degrees. Undergraduate candidates at the deadline of the public notice may submit further documentation, which they deem appropriate, in order to document their university career. The knowledge of foreign languages certified by an international certificate (TOEFL, CPE, CAE, FCE, etc.) attached to the cv will be an asset.
Exam Syllabus	The interview will be a detailed scientific discussion on the candidate's research project, Curriculum Vitae et Studiorum and qualifications/publications. The interview is also aimed at verifying that the candidate has adequate knowledge to deal with studies in the chosen curriculum.
Research Themes	The research themes are those of the curriculum in “Chemical, Materials and Process Engineering”; they are described in details on the course web page: https://dicca.dottorato.unige.it/chmatpr . The research project must be prepared on one of the Projects listed in https://dicca.dottorato.unige.it/phd_call for the curriculum. The project must be prepared under the guidance of the referent of the Project in the list above. The project, 10 pages maximum, must include a title (from the list above), the candidate's research interests and motivations, a short abstract, the State of the Art and relevant references, and the objectives of the research activity. Submitting projects that do not follow the instructions above will constitute grounds for exclusion from the competition.
Information on references	Candidates must choose at least one and no more than three referees to support their candidature. A reference letter from the member of the curriculum committee (http://dottorato.dicca.unige.it/eng/info/staff/comitatochmatpr.html) with whom the research project has been agreed will be well evaluated. The referees must be university professors or experts in the subject. The reference letter must be sent personally by the referees, within the deadline of the public notice and using their institutional e-mail address, to the doctoral secretariat at dottorato.dicca@unige.it . If the referee is not a university professor, he/she must also send the Curriculum Vitae and a list of publications. The name, status and current position of the referees chosen by the candidate must be stated in the application. Reference letters that are not presented as requested will not be taken into consideration.
Foreign Languages	English
Further Information	https://dicca.dottorato.unige.it Prof. Attilio Converti converti@unige.it

Course: CIVIL, CHEMICAL AND ENVIRONMENTAL ENGINEERING**Curriculum: CHEMICAL, MATERIALS AND PROCESS ENGINEERING (CODE 10474)**

Course Coordinator: Massabò Roberta	
Department of Civil, Chemical and Environmental Engineering (Dipartimento di Ingegneria Civile, Chimica e Ambientale – DICCA)	
Places: 1 – Grants: 1 (*)	
(*) 1 grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of FOS, under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500. Research project: Study of mechatronic systems, related materials and methods to provide haptic feedback during open surgery simulation.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND EXAM <ul style="list-style-type: none"> • Assessment of qualifications/publications and the curriculum vitae et studiorum • Written test (research project) • Interview that includes the description of the candidate's research area of interest, also on the basis of previous activities stated in his/her scientific professional curriculum
Interview	25.07.2024, 9:00 am, room A7 Polytechnic School, UNIGE, Via Montallegro 1, 16145 Genoa. Should there be a high number of candidates, the interviews will continue on the following working day. The interview may also take place electronically, on candidates' request or if necessary due to the health situation. Candidates requesting online interview must contact the doctoral secretarial staff (dottorato.dicca@unige.it) and Prof. Attilio Converti (converti@unige.it) at least 15 days before the evaluation. Candidates must have a reliable Internet connection to allow for the interview to be carried out. The list of candidates admitted to the interview will be posted on https://dicca.dottorato.unige.it/phd_call the day before at noon.
Further information on how to present qualifications/publications	The application (curriculum vitae) must contain Transcripts of Records, stating the courses attended and marks obtained throughout the candidate's university career (Bachelor and M.Sc. degrees; Laurea Triennale and Magistrale degrees). The transcripts of Records must be official documents released by the universities which awarded the degrees. Undergraduate candidates at the deadline of the public notice may submit further documentation, which they deem appropriate, in order to document their university career. The knowledge of foreign languages certified by an international certificate (TOEFL, CPE, CAE, FCE, etc.) attached to the cv will be an asset.
Exam Syllabus	The interview will be a detailed scientific discussion on the candidate's research project, Curriculum Vitae et Studiorum and qualifications/publications. The interview is also aimed at verifying that the candidate has adequate knowledge to deal with studies in the chosen curriculum.
Research Themes	Research project for grant within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f): "Study of mechatronic systems, related materials and methods to provide haptic feedback during open surgery simulation." The research project must be prepared on the related project thematic detailed in https://dicca.dottorato.unige.it/phd_call , in the list of Projects of the Curriculum in "Chemical, Materials and Process Engineering". The project must be prepared under the guidance of the referent of the Project (Prof. Patrizia Perego, patrizia.perego@unige.it). The project, 10 pages maximum, must include the title listed above, the candidate's research interests and motivations, a short abstract, the State of the Art and relevant references, and the objectives of the research activity. Submitting projects that do not follow the instructions above will constitute grounds for exclusion from the competition.
Information on references	Candidates must choose at least one and no more than three referees to support their candidature. A reference letter from the member of the curriculum committee (http://dottorato.dicca.unige.it/eng/info/staff/comitatochmatpr.html) with whom the research project has been agreed will be well evaluated. The referees must be university professors or experts in the subject. The reference letter must be sent personally by the referees, within the deadline of the public notice and using their institutional e-mail address, to the doctoral secretariat at dottorato.dicca@unige.it . If the referee is not a university professor, he/she must also send the Curriculum Vitae and a list of publications. The name, status and current position of the referees chosen by the candidate must be stated in the application. Reference letters that are not presented as requested will not be taken into consideration.

Foreign Languages	English
Further Information	<p>Further information about commitments and conditions of the grants funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) are available in the Notice of competition (article 6, paragraph 6)</p> <p>Months to be spent abroad: 0</p> <p>https://dicca.dottorato.unige.it Prof. Attilio Converti converti@unige.it</p>

Course: CIVIL, CHEMICAL AND ENVIRONMENTAL ENGINEERING**Curriculum: FLUID DYNAMICS AND ENVIRONMENTAL ENGINEERING (CODE 10475)**

Course Coordinator: Massabò Roberta	
Department of Civil, Chemical and Environmental Engineering (Dipartimento di Ingegneria Civile, Chimica e Ambientale – DICCA)	
Places: 3 (°) – Grants: 2 (*)	
(*) 2 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500. (°) 1 position reserved for A-SIGN s.r.l. employees. Research project: “AI4Good: satellite image processing with artificial intelligence for applications relevant to United Nations Sustainable Development Goals (SGDs)”.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	25.07.2024, 9:00 am, room A7 Polytechnic School, UNIGE, Via Montallegro 1, 16145 Genoa. Should there be a high number of candidates, the interviews will continue on the following working day. The interview may also take place electronically, on candidates' request or if necessary due to the health situation. Candidates requesting online interview must contact the doctoral secretarial staff (dottorato.dicca@unige.it) and Prof. Bianca Federici (bianca.federici@unige.it) at least 15 days before the evaluation. Candidates must have a reliable Internet connection to allow for the interview to be carried out. The list of candidates admitted to the interview will be posted on https://dicca.dottorato.unige.it/phd_call the day before at noon.
Further information on how to present qualifications/publications	The application (curriculum vitae) must contain Transcripts of Records, stating the courses attended and marks obtained throughout the candidate's university career (Bachelor and M.Sc. degrees; Laurea Triennale and Magistrale degrees). The transcripts of Records must be official documents released by the universities which awarded the degrees. Undergraduate candidates at the deadline of the public notice may submit further documentation, which they deem appropriate, in order to document their university career. The knowledge of foreign languages certified by an international certificate (TOEFL, CPE, CAE, FCE, etc.) attached to the cv will be an asset.
Exam Syllabus	The interview will be a detailed scientific discussion on the candidate’s research project, Curriculum Vitae et Studiorum and qualifications/publications. The interview is also aimed at verifying that the candidate has adequate knowledge to deal with studies in the chosen curriculum.
Research Themes	The research themes are those of the curriculum in “Fluid Dynamics and Environmental Engineering”; they are described in details on the course web page: https://dicca.dottorato.unige.it/fluamb . The research project must be prepared on one of the Projects listed in https://dicca.dottorato.unige.it/phd_call for the curriculum. The project must be prepared under the guidance of the referent of the Project in the list above. The project, 10 pages maximum, must include a title (from the list above), the candidate’s research interests and motivations, a short abstract, the State of the Art and relevant references, and the objectives of the research activity. Submitting projects that do not follow the instructions above will constitute grounds for exclusion from the competition.
Information on references	Candidates must choose at least one and no more than three referees to support their candidature. A reference letter from the member of the curriculum committee (https://dicca.dottorato.unige.it/fluamb) with whom the research project has been agreed will be well evaluated. The referees must be university professors or experts in the subject. The reference letter must be sent personally by the referees, within the deadline of the public notice and using their institutional e-mail address, to the doctoral secretariat at dottorato.dicca@unige.it . If the referee is not a university professor, he/she must also send the Curriculum Vitae and a list of publications. The name, status and current position of the referees chosen by the candidate must be stated in the application. Reference letters that are not presented as requested will not be taken into consideration.
Foreign Languages	English
Further Information	https://dicca.dottorato.unige.it Prof. Bianca Federici bianca.federici@unige.it

Course Coordinator: Massabò Roberta	
Department of Civil, Chemical and Environmental Engineering (Dipartimento di Ingegneria Civile, Chimica e Ambientale – DICCA)	
Places: 2 – Grants: 2 (*)	
(*) 1 grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of ETT, under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500 Research project: Cloud ready data infrastructure and operational ocean downstream products	
(*) 1 grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of ARPAL, under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500 Research project: A synergistic intelligent approach in atmospheric science: from weather nowcasting to climate change assessment	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND EXAM <ul style="list-style-type: none"> • Assessment of qualifications/publications and the curriculum vitae et studiorum • Written test (research project) • Interview that includes the description of the candidate’s research area of interest, also on the basis of previous activities stated in his/her scientific professional curriculum
Interview	25.07.2024, 9:00 am, room A7 Polytechnic School, UNIGE, Via Montallegro 1, 16145 Genoa. Should there be a high number of candidates, the interviews will continue on the following working day. The interview may also take place electronically, on candidates' request or if necessary due to the health situation. Candidates requesting online interview must contact the doctoral secretarial staff (dottorato.dicca@unige.it) and Prof. Bianca Federici (bianca.federici@unige.it) at least 15 days before the evaluation. Candidates must have a reliable Internet connection to allow for the interview to be carried out. The list of candidates admitted to the interview will be posted on https://dicca.dottorato.unige.it/phd_call the day before at noon.
Further information on how to present qualifications/publications	The application (curriculum vitae) must contain Transcripts of Records, stating the courses attended and marks obtained throughout the candidate's university career (Bachelor and M.Sc. degrees; Laurea Triennale and Magistrale degrees). The transcripts of Records must be official documents released by the universities which awarded the degrees. Undergraduate candidates at the deadline of the public notice may submit further documentation, which they deem appropriate, in order to document their university career. The knowledge of foreign languages certified by an international certificate (TOEFL, CPE, CAE, FCE, etc.) attached to the cv will be an asset.
Exam Syllabus	The interview will be a detailed scientific discussion on the candidate’s research project, Curriculum Vitae et Studiorum and qualifications/publications. The interview is also aimed at verifying that the candidate has adequate knowledge to deal with studies in the chosen curriculum.
Research Themes	Research project for grants within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) : Project 1: “Cloud ready data infrastructure and operational ocean downstream products”, referent Prof. Giovanni Besio (giovanni.besio@unige.it); and Project 2: “A synergistic intelligent approach in atmospheric science: from weather nowcasting to climate change assessment”, referent Prof. Andrea Mazzino (andrea.mazzino@unige.it). The research project must be prepared on the two project thematics listed above and detailed in https://dicca.dottorato.unige.it/phd_call , curriculum in Fluid Dynamics and Environmental Engineering. The project must be prepared under the guidance of the referent of the Project (see above). The project, 10 pages maximum, must include one of the two titles listed above, the candidate’s research interests and motivations, a short abstract, the State of the Art and relevant references, and the objectives of the research activity. Submitting projects that do not follow the instructions above will constitute grounds for exclusion from the competition.
Information on references	Candidates must choose at least one and no more than three referees to support their candidature. A reference letter from the member of the curriculum committee (https://dicca.dottorato.unige.it/fluamb) with whom the research project has been agreed will be well evaluated. The referees must be university professors or experts in the subject. The reference letter must be sent personally by the referees, within the deadline of the public notice and using their institutional e-mail address, to the doctoral secretariat at

	dottorato.dicca@unige.it If the referee is not a university professor, he/she must also send the Curriculum Vitae and a list of publications. The name, status and current position of the referees chosen by the candidate must be stated in the application. Reference letters that are not presented as requested will not be taken into consideration.
Foreign Languages	English
Further Information	Further information about commitments and conditions of the grants funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) are available in the Notice of competition (article 6, paragraph 6) Months to be spent abroad: 0 https://dicca.dottorato.unige.it Prof. Bianca Federici bianca.federici@unige.it

Course: CIVIL, CHEMICAL AND ENVIRONMENTAL ENGINEERING

Curriculum: STRUCTURAL AND GEOTECHNICAL ENGINEERING, MECHANICS AND MATERIALS (CODE 10477)

Course Coordinator: Massabò Roberta	
Department of Civil, Chemical and Environmental Engineering (Dipartimento di Ingegneria Civile, Chimica e Ambientale – DICCA)	
Places: 5 – Grants: 5 (*)	
<p>(*) 1 grant funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500.</p> <p>(*) 1 grant cofunded by MUR/Department (DICCA), the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500.</p> <p>(*) 1 grant funded by Department DICCA, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500.</p> <p>(*) 1 grant funded within D.M. 630 dated 24.4.2024 (cofunded by: Sphera Encapsulation), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500 (CUP D32B24000790008)</p> <p>Research Project: Exploration of different bio-encapsulation approaches for the inclusion of PCM in construction and building materials</p> <p>(*) 1 grant funded within D.M. 630 dated 24.4.2024 (cofunded by: ThermHex Waben GmbH), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500 (CUP D32B24000790008)</p> <p>Research Project: Evaluation of hierarchical sandwich honeycomb cores and hierarchical sandwich panels.</p>	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	<p>25.07.2024, 9:00 am, room A7 Polytechnic School, UNIGE, Via Montallegro 1, 16145 Genoa. Should there be a high number of candidates, the interviews will continue on the following working day.</p> <p>The interview may also take place electronically, on candidates' request or if necessary due to the health situation. Candidates requesting online interview must contact the doctoral secretarial staff (dottorato.dicca@unige.it) and Prof. Federica Tubino (federica.tubino@unige.it) at least 15 days before the evaluation. Candidates must have a reliable Internet connection to allow for the interview to be carried out.</p> <p>The list of candidates admitted to the interview will be posted on https://dicca.dottorato.unige.it/phd_call the day before at noon.</p>
Further information on how to present qualifications/publications	<p>The application (curriculum vitae) must contain Transcripts of Records, stating the courses attended and marks obtained throughout the candidate's university career (Bachelor and M.Sc. degrees; Laurea Triennale and Magistrale degrees). The transcripts of Records must be official documents released by the universities which awarded the degrees. Undergraduate candidates at the deadline of the public notice may submit further documentation, which they deem appropriate, in order to document their university career.</p> <p>The knowledge of foreign languages certified by an international certificate (TOEFL, CPE, CAE, FCE, etc.) attached to the cv will be an asset.</p>
Exam Syllabus	The interview will be a detailed scientific discussion on the candidate's research project, Curriculum Vitae et Studiorum and qualifications/publications. The interview is also aimed at verifying that the candidate has adequate knowledge to deal with studies in the chosen curriculum.
Research Themes	The research themes are those of the curriculum in “Structural and Geotechnical Engineering, Mechanics and Materials”; they are described in details on the course web page: https://dicca.dottorato.unige.it/stmatgeo . The research project must be prepared on one of the Projects listed in https://dicca.dottorato.unige.it/phd_call for the curriculum. The project must be prepared under the guidance of the referent of the Project in the list above. The project, 10 pages maximum, must include a title (from the list above), the candidate's research interests and motivations, a short abstract, the State of the Art and relevant references, and the objectives of the research activity. Submitting projects that do not follow the instructions above will constitute grounds for exclusion from the competition.
Information on references	Candidates must choose at least one and no more than three referees to support their candidature. A reference letter from the member of the curriculum committee (https://dicca.dottorato.unige.it/stmatgeo) with whom the research project has been agreed will be well evaluated. The referees must be university professors or experts in the subject. The reference letter must be sent personally by the referees, within the deadline of the public notice and using their institutional e-mail address, to the doctoral secretariat at dottorato.dicca@unige.it .

	If the referee is not a university professor, he/she must also send the Curriculum Vitae and a list of publications. The name, status and current position of the referees chosen by the candidate must be stated in the application. Reference letters that are not presented as requested will not be taken into consideration.
Foreign Languages	English
Further Information	https://dicca.dottorato.unige.it Prof. Federica Tubino federica.tubino@unige.it

Course: DIGITAL HUMANITIES. DIGITAL TECHNOLOGIES, THE ARTS, LANGUAGES, CULTURES AND COMMUNICATION

In agreement with Università degli Studi di Torino - University of Turin

Curriculum: ARTS, PERFORMING ARTS AND MULTIMEDIA TECHNOLOGIES (CODE 10478)

Course Coordinator: Bricco Elisa	
Department of Modern Languages and Cultures (Dipartimento di Lingue e culture moderne – DLCM)	
Places: 3 – Grants: 3 (*)	
(*) 2 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00 (*) 1 grant funded within D.M. 629 dated 24.4.2024 (Patrimonio Culturale), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00 (CUP D32B24000430006)	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	24.07.2024 – time 9.30 AM - in telematic mode: the link for the connection will be communicated via the PhD website (https://digitalhumanities.phd.unige.it/), News section.
Further information on how to present qualifications/publications	<p>Together with their qualifications, applicants must enclose a research project on a topic related to Digital Humanities and consistent with the themes and objectives specified in the 'Research Topics' section.</p> <p>The project should be structured in the following sections:</p> <ul style="list-style-type: none"> • -title; • -summary; • -objectives of the research project; • -analysis of existing literature on the research topic; • -research problems that you want to face and to which you want to give an answer; • -methodologies that you plan to use to achieve the objectives; • -expected results at the end of the three-year research period. <p>The project will be evaluated according to:</p> <ul style="list-style-type: none"> • compliance with the presentation modalities set out above; • clarity of objectives, hypotheses and methodological approach of the research; • originality and innovativeness of the proposal with respect to the reference literature; • clear feasibility of the timing of the work phases; • a solid bibliographical basis. <p>The candidate should also indicate potential foreign partner research centres/places to carry out the research. The project must be no longer than 4000 words plus references.</p> <p>In case of admission to the Ph.D. program, the candidate will normally carry out his/her activity within the specific Research Theme among those in the call for which he/she has submitted the project (section “Research Themes”) but not necessarily on the specific activities described and planned in the submitted research project, which has the main purpose of demonstrating the candidate's aptitude for research.</p>
Research Themes	<ol style="list-style-type: none"> 1. Museums and /in digital. 2. Building collections, museums and archives history with digital technologies 3. The UniGe digital heritage museum. (D.M. 629 del 24.4.2024(Patrimonio Culturale)
Information on references	<p>Applicants must choose no fewer than one and no more than three referees to support their application. These referees must be university lecturers or experts in the field. The presence of at least one letter of reference is indispensable for the validity of the application.</p> <p>In the application form, candidates must indicate the name, position and place of employment of their chosen referees.</p> <p>It will be the responsibility of the contact persons supporting the application to send the letters of reference, with the indication in the subject line of the curriculum for which the candidate is applying, and, in the case of an application for more than one curriculum, a letter for each curriculum should be sent. These letters must be sent by the deadline of the call for applications to francescam.campi@unige.it.</p>

Foreign Languages	Applicants must demonstrate knowledge of at least one foreign language chosen between English and French.
Further Information	The administrative contact person for the PhD is dr. Silvia Orsino: silvia.orsino@unige.it .

Course: DIGITAL HUMANITIES. DIGITAL TECHNOLOGIES, THE ARTS, LANGUAGES, CULTURES AND COMMUNICATION

In agreement with Università degli Studi di Torino - University of Turin

Curriculum: LANGUAGES, LITERATURES, FOREIGN CULTURES AND TECHNOLOGIES (CODE 10479)

Course Coordinator: Bricco Elisa	
Department of Modern Languages and Cultures (Dipartimento di Lingue e culture moderne – DLCM)	
Places: 2 – Grants: 2 (*)	
(*) 2 grants funded by the Università di Torino. The annual gross amount of the grant, including security expenses to be paid by the recipient, is € 17.500.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	23.07.2024 – time 12.00 AM - in telematic mode: the link for the connection will be communicated via the PhD website(https://digitalhumanities.phd.unige.it/), News section.
Further information on how to present qualifications/publications	<p>Together with their qualifications, applicants must submit a Digital Humanities research project on a topic related to Digital Humanities and consistent with the themes and objectives specified in the “Research Topics” section.</p> <p>The project should be structured as follows:</p> <ul style="list-style-type: none">• title• summary• objectives of the research project• analysis of existing literature on the research topic• research problems that you want to face and to which you want to give an answer• methodologies that you plan to use to achieve the objectives• expected results at the end of the three-year research period <p>The project will be evaluated according to</p> <ul style="list-style-type: none">• compliance with the presentation modalities set out above• clarity of objectives, hypotheses and methodological approach of the research• originality and innovativeness of the proposal with respect to the reference literature• clear feasibility of the timing of the work phases• a solid bibliographical basis <p>Applicants should also indicate potential foreign partner research centres/places to carry out their research.</p> <p>The project must be no longer than 4000 words (excluding references).</p>
Research Themes	<ol style="list-style-type: none">1. Neologisms and anglicisms in the Spanish youth language: from Instagram to the online dictionary2. Neural Machine Translation (NMT) and language for specific purposes: Empirical and descriptive perspectives
Information on references	<p>Applicants must choose no fewer than one and no more than three referees to support their application. These referees must be university lecturers or experts in the field.</p> <p>In the application form, candidates must indicate the name, position and place of employment of their chosen referees.</p> <p>It is the responsibility of the referees supporting the application to send the letters of reference, specifying in the subject line the curriculum for which the candidate is applying, and in the case of an application for more than one curriculum, a separate application must be submitted for each curriculum.</p> <p>These letters must be sent by the application deadline to the address francescam.campi@unige.it.</p>
Foreign Languages	<p>During the interview candidates must demonstrate their competence (at least at C1 level) in:</p> <ul style="list-style-type: none">• Topic 1: Spanish• Topic 2: English
Further Information	The administrative contact person for the PhD is dr. Silvia Orsino: silvia.orsino@unige.it

Course: DIGITAL HUMANITIES. DIGITAL TECHNOLOGIES, THE ARTS, LANGUAGES, CULTURES AND COMMUNICATION

In agreement with Università degli Studi di Torino - University of Turin

Curriculum: LANGUAGES, CULTURES AND DIGITAL TECHNOLOGIES (CODE 10480)

Course Coordinator: Bricco Elisa	
Department of Modern Languages and Cultures (Dipartimento di Lingue e culture moderne – DLCM)	
Places: 8 (°) – Grants: 6 (*)	
<p>(*) 3 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00</p> <p>(*) 1 grant funded by MUR/Department (DLCM), the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00</p> <p>(*) 1 grant funded within 630 dated 24.4.2024 (co-funded by: Fondazione Banca Intesa), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00 (CUP D32B24000680008)</p> <p>(*) 1 grant funded within 630 dated 24.4.2024 (co-funded by: E.T.T.), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00 (CUP D32B24000680008)</p> <p>(°) 2 positions for graduates holding a grant from abroad</p>	
Comparative assesment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	25.07.2024 – time 10.00 AM - in telematic mode: the link for the connection will be communicated via the PhD website (https://digitalhumanities.phd.unige.it/), News section.
Further information on how to present qualifications/publications	<p>Together with their qualifications, applicants must enclose a research project on a topic related to Digital Humanities and consistent with the themes and objectives specified in the 'Research Topics' section.</p> <p>The project should be structured in the following sections:</p> <ul style="list-style-type: none"> -title; -summary; -objectives of the research project; -analysis of existing literature on the research topic; -research problems that you want to face and to which you want to give an answer; -methodologies that you plan to use to achieve the objectives; -expected results at the end of the three-year research period. <p>The project will be evaluated according to</p> <ul style="list-style-type: none"> • compliance with the presentation modalities set out above; • clarity of objectives, hypotheses and methodological approach of the research; • originality and innovativeness of the proposal with respect to the reference literature; • clear feasibility of the timing of the work phases; • a solid bibliographical basis. <p>The candidate should also indicate potential foreign partner research centres/places to carry out the research.</p> <p>The project must be no longer than 4000 words plus references.</p> <p>In case of admission to the Ph.D. program, the candidate will normally carry out his/her activity within the specific Research Theme among those in the call for which he/she has submitted the project (section “Research Themes”) but not necessarily on the specific activities described and planned in the submitted research project, which has the main purpose of demonstrating the candidate's aptitude for research.</p>
Research Themes	<ol style="list-style-type: none"> 1. Cor<si>Ca Project. Construction of a portal for the use of a multilingual epistolary. 2. Machine translation and artificial intelligence in business communication 3. Atlas of German Jewish migrations 4. Neuroscience, education and technology: re-orienting the design of teaching & learning environments basing on the research evidence in the field of educational neuroscience (MUR/Department grant) 5. Serious (board) games: innovative interfaces and interaction modes in paper, digital and

	<p>hybrid games to support teaching and learning processes. (MUR/Department grant)</p> <p>6. Rethinking digital humanists for 2030: evolving higher education curricula towards professional profiles with soft/hard skills balanced by artificial intelligence, open awareness and critical thinking in a gender-inclusive perspective. (DM 630 del 24.4.2024 Azione Dottorati innovativi)</p> <p>7. "AI Digital Mentor: generative AI as a Tool for Cultural Heritage". Creation of immersive Timecapsule for the Balzi Rossi archaeological site (DM 630 del 24.4.2024 Azione Dottorati innovativi)</p> <p>8. Teaching EFL for special purposes and digital technology (°)</p> <p>9. Digital tools for translation (°)</p>
Information on references	<p>Applicants must choose no fewer than one and no more than three referees to support their application. These referees must be university lecturers or experts in the field. The presence of at least one letter of reference is indispensable for the validity of the application.</p> <p>In the application form, candidates must indicate the name, position and place of employment of their chosen referees.</p> <p>It will be the responsibility of the contact persons supporting the application to send the letters of reference, with the indication in the subject line of the curriculum for which the candidate is applying, and, in the case of an application for more than one curriculum, a letter for each curriculum should be sent. These letters must be sent by the deadline of the call for applications to francescam.campi@unige.it.</p>
Foreign Languages	Applicants must demonstrate knowledge of at least one foreign language chosen between English and French.
Further Information	The administrative contact person for the PhD is dr. Silvia Orsino: silvia.orsino@unige.it .

Course: DIGITAL HUMANITIES. DIGITAL TECHNOLOGIES, THE ARTS, LANGUAGES, CULTURES AND COMMUNICATION

In agreement with Università degli Studi di Torino - University of Turin

Curriculum: LANGUAGES, CULTURES AND DIGITAL TECHNOLOGIES (CODE 10481)

Course Coordinator: Bricco Elisa	
Department of Modern Languages and Cultures (Dipartimento di Lingue e culture moderne – DLCM)	
Places: 1 – Grants: 1 (*)	
(*) 1 grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of Leonardo S.p.A., under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00. Research project: Impact of next generation social-aware autonomous mobile robots for safe human-robot collaboration within Smart Cities.	
Comparative assesment procedure	QUALIFICATIONS/PUBLICATIONS AND EXAM <ul style="list-style-type: none">• Assessment of qualifications/publications and the curriculum vitae et studiorum• Written test (research project)• Interview that includes the description of the candidate's research area of interest, also on the basis of previous activities stated in his/her scientific professional curriculum
Interview	25.07.2024 – time 10.00 AM - in telematic mode: the link for the connection will be communicated via the PhD website (https://digitalhumanities.phd.unige.it/), News section.
Further information on how to present qualifications/publications	Together with their qualifications, applicants must enclose a research project on a topic related to Digital Humanities and consistent with the themes and objectives specified in the 'Research Topics' section. The project should be structured in the following sections: -title; -summary; -objectives of the research project; -analysis of existing literature on the research topic; -research problems that you want to face and to which you want to give an answer; -methodologies that you plan to use to achieve the objectives; -expected results at the end of the three-year research period. The project will be evaluated according to <ul style="list-style-type: none">• compliance with the presentation modalities set out above;• clarity of objectives, hypotheses and methodological approach of the research;• originality and innovativeness of the proposal with respect to the reference literature;• clear feasibility of the timing of the work phases;• a solid bibliographical basis. The candidate should also indicate potential foreign partner research centres/places to carry out the research. The project must be no longer than 4000 words plus references. In case of admission to the Ph.D. program, the candidate will normally carry out his/her activity within the specific Research Theme among those in the call for which he/she has submitted the project (section “Research Themes”) but not necessarily on the specific activities described and planned in the submitted research project, which has the main purpose of demonstrating the candidate's aptitude for research.
Research Themes	Impact of next generation social-aware autonomous mobile robots for safe human-robot collaboration within Smart Cities (PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f))
Information on references	Applicants must choose no fewer than one and no more than three referees to support their application. These referees must be university lecturers or experts in the field. The presence of at least one letter of reference is indispensable for the validity of the application. In the application form, candidates must indicate the name, position and place of employment of their chosen referees. It will be the responsibility of the contact persons supporting the application to send the letters of reference, with the indication in the subject line of the curriculum for which the candidate is applying, and, in the case of an application for more than one curriculum, a letter for each

	curriculum should be sent. These letters must be sent by the deadline of the call for applications to francescam.campi@unige.it.
Foreign Languages	Applicants must demonstrate knowledge of at least one foreign language chosen between English and French.
Further Information	The administrative contact person for the PhD is dr. Silvia Orsino: silvia.orsino@unige.it .

Course: DIGITAL HUMANITIES. DIGITAL TECHNOLOGIES, THE ARTS, LANGUAGES, CULTURES AND COMMUNICATION

In agreement with Università degli Studi di Torino - University of Turin

Curriculum: LINGUISTICS, APPLIED LINGUISTICS AND ONOMASTICS (CODE 10482)

Course Coordinator: Bricco Elisa	
Department of Modern Languages and Cultures (Dipartimento di Lingue e culture moderne – DLCM)	
Places: 1 – Grants: 1 (*)	
(*) 1 grant funded by the Università di Torino. The annual gross amount of the grant, including security expenses to be paid by the recipient, is € 17.500.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	23.07.2024 – time 10.00 AM - in telematic mode: the link for the connection will be communicated via the PhD website (https://digitalhumanities.phd.unige.it/), News section.
Further information on how to present qualifications/publications	<p>Together with their qualifications, applicants must submit a Digital Humanities research project on a topic related to Digital Humanities and consistent with the themes and objectives specified in the “Research Topics” section.</p> <p>The project should be structured as follows:</p> <ul style="list-style-type: none"> • title • summary • objectives of the research project • analysis of existing literature on the research topic • research problems that you want to face and to which you want to give an answer • methodologies that you plan to use to achieve the objectives • expected results at the end of the three-year research period <p>The project will be evaluated according to</p> <ul style="list-style-type: none"> • compliance with the presentation modalities set out above • clarity of objectives, hypotheses and methodological approach of the research • originality and innovativeness of the proposal with respect to the reference literature • clear feasibility of the timing of the work phases • a solid bibliographical basis <p>Applicants should also indicate potential foreign partner research centres/places to carry out their research.</p> <p>The project must be no longer than 4000 words (excluding references).</p>
Research Themes	1. GIS as a tool for the interpretation of stratified toponymic systems: Data selection and diatopic/diachronic variation management
Information on references	<p>Applicants must choose no fewer than one and no more than three referees to support their application. These referees must be university lecturers or experts in the field.</p> <p>In the application form, candidates must indicate the name, position and place of employment of their chosen referees.</p> <p>It is the responsibility of the referees supporting the application to send the letters of reference, specifying in the subject line the curriculum for which the candidate is applying, and in the case of an application for more than one curriculum, a separate application must be submitted for each curriculum.</p> <p>These letters must be sent by the application deadline to the address francescam.campi@unige.it.</p>
Foreign Languages	During the interview, candidates must demonstrate knowledge of at least one language of their choice between English, French and Spanish, as well as of Italian (at least level C1).
Further Information	The administrative contact person for the PhD is dr. Silvia Orsino: silvia.orsino@unige.it

Curriculum: PHILOSOPHY OF LAW AND HISTORY OF LEGAL CULTURE (CODE 10483)

Course Coordinator: Chiassoni Pierluigi	
Department of Law Studies (Dipartimento di Giurisprudenza – DIGI)	
Places: 12 (°) – Grants: 2 (*)	
(*) 1 grant funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (*) 1 grant co-funded by MUR/Department (DIGI) the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (°) 10 positions for graduates holding grants from abroad	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS
Further information on how to present qualifications/publications	From the CV and other documents enclosed the following data should result: a) University degree and the final note or qualification thereof; b) any other post-lauream degree (like, e.g., Master degrees); c) publications concerning one or more of the research topics of the present Curriculum, if any; d) research experiences and research and educational activities, if any.
Exam Syllabus	Candidates must submit, <u>under penalty of exclusion from the competition</u> , a research project (maximum 10000 characters, spaces and essential bibliographical references included, <u>under penalty of exclusion from the competition</u>) on a research topic singled out in the following box. The project must contain, <u>under penalty of exclusion from the competition</u> , a clear statement of the topic, goals, and stages of the research activity, along with essential bibliographical references. The research project can be written, on the candidate's choice, in Italian, French, English, Spanish, or Portuguese.
Research Themes	<ul style="list-style-type: none"> • Legal Philosophies • Legal Reasoning • Theories of Legal Interpretation • Theory of Legal Sources • General Theory of Law and State • Constitutional Interpretation • Logic and Legal Argumentation • Juridical Enlightenment and Codification Ideologies • Philosophies of Punishment • Epistemology and Theory of Legal Science • Natural Law and Legal Positivism • Feminist Theories of Law • Theory of Norms and Legal Systems • Theory of Legal Language • Equality, Poverty, Welfare State, Regulation and Deregulation • History and Theories of Subjective Rights • Law, Constitutions and Constitutionalism • History and Theories of Legal Dogmatics • Bioethics and Legal Philosophy • Sociology of Law and History of Legal-Sociological Thought • History of Legal Culture and Thought • Law and Culture • Law and Social Change
Information on references	Candidates must provide up to three letters of reference (minimum one) supporting their application. The letters must be written by Academics, or Experts, in the research topics of the Curriculum. They will send their letter of reference, with-in the deadline established in the Call, directly to the following address: pierluigi.chiassoni@unige.it , and to dottorato.diritto@unige.it . In their application form, candidates must point out the name, the qualification, and the workplace of the persons that will write reference letters for them.
Foreign Languages	English, Spanish

Further Information	During the three years of the Program (and preferably during the second year) PhD candidates shall spend a minimum six-months period of research abroad, or at qualified international Academic and Research Centres having their seat in Italy, doing research on the topic of their PhD dissertation. Referente del curriculum / Curriculum coordinator: Prof. Pierluigi Chiassoni pierluigi.chiassoni@unige.it Referente amministrativo / Curriculum secretary: dott.ssa Stefania Lavezzo dottorato.diritto@unige.it
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Course: LAW**Curriculum: INTERNATIONAL LAW (COMMERCIAL, EUROPEAN UNION AND INTERNATIONAL LAW) (CODE 10484)**

Course Coordinator: Chiassoni Pierluigi	
Department of Law Studies (Dipartimento di Giurisprudenza – DIGI)	
Places: 2 – Grants: 2 (*)	
(*) 2 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	22.07.2024, h. 02.00 p.m. at the former International and Navigation Law Section of the Department of Law, Via Balbi n. 22/7-B, 3rd floor. The interview will be held in person; at the candidate's motivated request, also online (on Skype/Teams). Candidates must inform Prof. Paola Ivaldi (Paola.Ivaldi@unige.it) and Dr. Lavezzo (dottorato.diritto@unige.it) of their choice to attend the interview online no later than seven days before the date fixed for the interview.
Further information on how to present qualifications/publications	Qualifications include the information contained in the application and in the curriculum vitae et studiorum, the research project, any further qualifications. The application and attached documents may be written in Italian or English.
Exam Syllabus	The interview consists: - an in-depth examination of the candidate's skills in relation to the key issues relating, at candidate's choice, to one of the following areas: international law, European Union law and commercial law, with particular regard to the research topics set out below; - in the discussion of the research project presented.
Research Themes	Within the curriculum in international law, European Union law and commercial law there are three research themes, substantially corresponding to the disciplinary "areas" (and related "competences") that are represented in it. These themes are part of a unitary framework, characterized by the sharing of a system of sources known as "multiple sources", by the presence of consolidated systems of protection and by the multidisciplinary approach. The first research theme concerns the most significant recent developments in international law (both public and private), including references to the international maritime law, analyzed from the perspective of the extension of the rights guaranteed to individuals and their "effective" judicial protection. The same perspective is adopted with reference to the European Union's legal system, of which the profiles of institutional as well as material law are highlighted (single market and other areas of competence of the Union, including those with external relevance). In the field of commercial law, within the framework of the EU harmonisation discipline, specific attention is paid to the reform initiatives of capital market regulation, the regulation of stock exchanges and other public market infrastructures, the regulation of the conduct of business by financial intermediaries, access to risk capital in public and private markets, competition between jurisdictions in company and financial market law, the listing regime and investor protection rules, the corporate governance of listed companies and the regulation of sustainable finance.
Foreign Languages	English
Information on references	No letters of reference are required. Any letters of reference received in any case will not be taken into account for the purposes of scoring. [1]
Further Information	During the three-year period (and, preferably, during the second year) PhD students must spend at least 6 months abroad, or in Italy at international training center, to carry out in-depth studies in their respective fields of research. Contact person for the curriculum: Prof. Paola Ivaldi e-mail: Paola.Ivaldi@unige.it Administrative contact person: Dr. M. Stefania Lavezzo e-mail: dottorato.diritto@unige.it

[1] Information updated after the publication of the Notice of competition (D.R. 2882 dated 6.06.2024)

Course Coordinator: Chiassoni Pierluigi	
Department of Law Studies (Dipartimento di Giurisprudenza – DIGI)	
Places: 1 – Grants: 1 (*)	
(*) 1 grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of Istituto Giannina Gaslini, under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500. Research project: Protection of intellectual property and use of artificial intelligence, with particular regard to collaborative products in the development and transfer of health-related technologies	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND EXAM <ul style="list-style-type: none"> • Assessment of qualifications/publications and the curriculum vitae et studiorum • Written test (research project) • Interview that includes the description of the candidate’s research area of interest, also on the basis of previous activities stated in his/her scientific professional curriculum
Interview	22.07.2024, h. 02.00 p.m. at the former International and Navigation Law Section of the Department of Law, Via Balbi n. 22/7-B, 3rd floor. The interview will be held in person; at the candidate's motivated request, also online (on Skype/Teams). Candidates must inform Prof. Paola Ivaldi (Paola.Ivaldi@unige.it) and Dr. Lavezzo (dottorato.diritto@unige.it) of their choice to attend the interview online no later than seven days before the date fixed for the interview.
Further information on how to present qualifications/publications	Qualifications include the information contained in the application and in the curriculum vitae et studiorum, the research project, any further qualifications. The application and attached documents may be written in Italian or English.
Exam Syllabus	The interview consists: <ul style="list-style-type: none"> - an in-depth examination of the candidate’s skills in relation to the key issues relating, at candidate’s choice, to one of the following areas: international law, European Union law and commercial law, with particular regard to the research topic set out below; - in the discussion of the research project presented.
Research Themes	The research topic relates to the protection of intellectual property and the use of artificial intelligence, with a particular focus on collaborative products in the development and transfer of health technologies, specifically analysing, <i>inter alia</i> , (i) the current role of the European Union in the process of harmonization the provisions of the Member States relating to the processes and methodologies for evaluating the development and transfer of health technologies as well as (ii) the solutions provided by the Italian law concerning the processes of collection and protection of data, information and analyses that are used in the clinical value of health technologies, including those deriving from the use of artificial intelligence application systems.
Foreign Languages	English
Information on references	No letters of reference are required. Any letters of reference received in any case will not be taken into account for the purposes of scoring. [1]
Further Information	During the three-year period (and, preferably, during the second year) PhD students must spend at least 6 months abroad, or in Italy at international training center, to carry out in-depth studies in their respective fields of research. Contact person for the curriculum: Prof. Paola Ivaldi e-mail: Paola.Ivaldi@unige.it Administrative contact person: Dr. M. Stefania Lavezzo e-mail: dottorato.diritto@unige.it

[1] Information updated after the publication of the Notice of competition (D.R. 2882 dated 6.06.2024)

Curriculum: PRIVATE LAW (LABOUR, PRIVATE, PRIVATE COMPARATIVE AND CIVIL PROCEDURAL LAW) (CODE 10486)

Course Coordinator: Chiassoni Pierluigi	
Department of Law Studies (Dipartimento di Giurisprudenza – DIGI)	
Places: 2 – Grants: 2 (*)	
(*) 2 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	<p>25 July 2004, h. 4.00 p.m. – at the Private Law Section of the Department of Law, Via Balbi n. 22 (Stears B, 4th floor) Genova.</p> <p>Candidates residing abroad may take the exam by the means of a Microsoft Teams meeting. In this case, the candidate has to express a personal preference for the online examination and communicate the e-mail account of reference.</p> <p>Since the session of the evaluating commission dedicated to the candidate's interviews has to be open to the public and take place in the same meeting, please consider that candidates who are unable to connect to the online meeting and maintain a connection suitable to the purpose of taking the interview for the duration of the whole meeting - due to problems occurred independently from the means used by the members of the commission - will be held absent.</p>
Further information on how to present qualifications/publications	All relevant degrees need to flow from the curriculum vitae et studiorum, and the research project. The submission and other required materials attached could be written in Italian, English, French or Spanish.
Exam Syllabus	<p>The interview will focus on:</p> <ul style="list-style-type: none"> - complete assessment of subjects proposed in the curriculum, based on the candidate choice, between the following areas: private law; private comparative law; labor law, civil procedure, consistent with the research areas (see next section) - the research project discussion
Research Themes	<p>Within the academic curriculum is centered on 4 research areas, substantially corresponding to the discipline “areas” (and respective “competences”) therein represented.</p> <p>The above-mentioned areas are placed in a unified framework, characterized by common sources of law, by a multilevel system and by the interdisciplinary approach.</p> <p>The first research area reflects the evolution of the current private law legal framework, considering a new legal framework and the comparatist analysis. Within this perspective, the evolutive lines of the system will be analyzed with special regard to classic themes in private law</p> <p>The second theme rotates towards the new developments of private comparative law with special regard to property law, secured transactions, community property regimes, and NGO.</p> <p>The third area focuses on labour law and industrial relations, with special regard to the historic evolution and the recent reforms that affected the legal framework, within the broader scheme of EU law and social politics.</p> <p>The fourth area centers on the analysis of the current scenario of civil procedure and litigation – also in a comparative perspective – pre-trial/trial/evidence phase and related issues.</p>
Information on references	<p>Candidates must choose not less than one and not more than three referees to support their application. These contacts must be university professors or experts in the subject. The referents will be responsible for sending the reference letters, within the deadline of the call, to the chair of the curriculum committee, Prof.ssa Gisella De Simone (gisella.desimone@unige.it), as well to the administrative contact person, Dott.ssa M. Stefania Lavezzo: dottorato.diritto@unige.it.</p> <p>In the application for admission, candidates must specify the name, qualification and place of employment of the referees they have chosen.</p>

Foreign Languages	English
Further Information	<p>During the three-year period (and, preferably, in the second year), PhD students must spend abroad, or in Italy at international training centers, for a total period of at least 6 months (possibly not consecutive, but in any case - for each fraction - of adequate consistency) to carry out in-depth activities in the respective research areas.</p> <p>Chair of the curriculum committee: Prof. Gisella De Simone gisella.desimone@unige.it</p> <p>Administrative contact person: Dott.ssa M. Stefania Lavezzo e-mail: dottorato.diritto@unige.it</p>

Corso: LAW

Curriculum: PRIVATE LAW (LABOUR, PRIVATE, PRIVATE COMPARATIVE AND CIVIL PROCEDURAL LAW) (CODE 10487)

Coordinator: Chiassoni Pierluigi	
Department of Law Studies (Dipartimento di Giurisprudenza – DIGI)	
Places: 1 – Grant: n. 1 (*)	
(*) 1 grant funded within D.M. 630 dated 24.4.2024 (co-founded by Istituto Gaslini Genova), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500 (CUP D32B24000600008)	
Methods of comparative evaluation	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	<p>24 July 2004, h. 3.30 p.m. – at the Private Law Section of the Department of Law, Via Balbi n. 22 (Stears B, 4th floor) Genova. [1]</p> <p>Candidates residing abroad may take the exam by the means of a Microsoft Teams meeting. In this case, the candidate has to express a personal preference for the online examination and communicate the e-mail account of reference.</p> <p>Since the session of the evaluating commission dedicated to the candidate's interviews has to be open to the public and take place in the same meeting, please consider that candidates who are unable to connect to the online meeting and maintain a connection suitable to the purpose of taking the interview for the duration of the whole meeting - due to problems occurred independently from the means used by the members of the commission - will be held absent.</p>
Additional information on the methods for submitting qualifications	By qualifications, it means: (1) the information contained in the application and the curriculum vitae et studiorum; (2) the presentation of a research project on the research topic indicated below, with a maximum length of 10,000 characters, including spaces, under penalty of exclusion from the competition; (3) additional qualifications (e.g., any publications related to the research topic of the scholarship). The application and the attached documents may be written in Italian, English, or French.
Contents of the examinations	<p>The interview consists of:</p> <ul style="list-style-type: none">• an in-depth assessment of subjects proposed in the curriculum on the fundamental topics related to private law and administrative law, with references also to European Union law.• the discussion of the submitted research project.
Research topic	<p>The research topic concerns contract law, with specific reference to contracts entered into by healthcare entities, particularly focusing on public procurement contracts, analyzed from both private and public law perspectives.</p> <p>The research, starting from the new framework of sources, comparative analysis, and European law, extends to the investigation and reconstruction of the current legal framework regarding procurement in the healthcare sector and the aspects of liability. It also takes into account the regulatory developments in the fields of new technologies, data protection and circulation, and security, in light of the protection of fundamental human rights.</p>
Information on references	<p>Candidates must choose no less than one and no more than three referees to support their application. These referees must be university professors or experts in the field. It will be the responsibility of the referees to send the letters of reference to Professor Gisella De Simone at the email address: gisella.desimone@unige.it , and also cc to the administrative contact, Ms. M. Stefania Lavezzo: dottorato.diritto@unige.it, by the deadline of the call.</p> <p>In the admission application, candidates must specify the full name, position, and institution of the referees they have chosen.</p>
Foreign Languages	English and another foreign language from a European Union country.

Further information	<p>During the three-year period (preferably during the second year), the doctoral student must spend at least 6 months abroad, or in Italy at internationally recognized training centers, to carry out research-related activities. This period may be non-consecutive but must still be of adequate duration for each fraction. The student will be supervised in their activities by a tutor specialized in private law and, for administrative law aspects, by a tutor specialized in public law.</p> <p>Curriculum Referent: Prof. Gisella De Simone gisella.desimone@unige.it</p> <p>Administrative Contact: Dott.ssa M. Stefania Lavezzo e-mail: dottorato.diritto@unige.it</p>
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[1] Information updated after the publication of the Notice of competition (D.R. 2882 dated 6.06.2024)

Course: LAW

Curriculum: PRIVATE LAW (LABOUR, PRIVATE, PRIVATE COMPARATIVE AND CIVIL PROCEDURAL LAW) (CODE 10488)

Course coordinator: Chiassoni Pierluigi	
Department of Law Studies - Dipartimento di Giurisprudenza (DIGI)	
Places: 1 – Grant: 1 (*).	
(*) 1 grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of Istituto Gaslini Genova, under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500. Research project: Legal profiles of personnel management in hospital complex institutions	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND EXAM <ul style="list-style-type: none">• Assessment of qualifications/publications and the curriculum vitae et studiorum• Written test (research project)• Interview that includes the description of the candidate's research area of interest, also on the basis of previous activities stated in his/her scientific professional curriculum
Interview	25.07.2024, h. 4.00 p.m. – at the Private Law Section of the Department of Law, Via Balbi n. 22 (Stears B, 4th floor) Genova. Candidates residing abroad may take the exam by the means of a Microsoft Teams meeting. In this case, the candidate has to express a personal preference for the online examination and communicate the e-mail account of reference. Since the session of the evaluating commission dedicated to the candidate's interviews has to be open to the public and take place in the same meeting, please consider that candidates who are unable to connect to the online meeting and maintain a connection suitable to the purpose of taking the interview for the duration of the whole meeting - due to problems occurred independently from the means used by the members of the commission - will be held absent.
Further information on how to present qualifications/publications	All relevant degrees need to flow from the curriculum vitae et studiorum, and the research project. The submission and other required materials attached could be written in Italian, English, or French.
Exam Syllabus	The interview will focus on: <ul style="list-style-type: none">- a complete assessment of subjects regarding the fundamental issues relating to private law and labour law, with particular attention to the research topics indicated below;- the research project discussion.
Research Themes	The research concerns the legal profiles of personnel management of complex hospital entities. The investigation profiles must concern the regulation of work in the healthcare sector and may concern both aspects relating to the regulation of collective relations and aspects relating to the individual employment relationship. In particular, and with reference to work in the healthcare sector, the issues to be explored may concern hiring and classification methods; innovative labour contracts; the methods of exercising employer powers and their limits; the different profiles of responsibility of the workers; staff incentive policies; risk management regarding workplace safety. Particular attention must be paid to the impact of organizational innovations and in particular those of a technological nature on the management of employment relationships. Since this is an industrial doctoral scholarship, the theoretical aspects of the research must be adequately combined with its application implications.
Information on references	Candidates must choose not less than one and not more than three referees to support their application. These contacts must be university professors or experts in the subject. The referents will be responsible for sending the reference letters, within the deadline of the call, to the chair of the curriculum committee, Prof.ssa Gisella De Simone (gisella.desimone@unige.it, as well to the administrative contact person, Dott.ssa M. Stefania Lavezzo: dottorato.diritto@unige.it. In the application for admission, candidates must specify the name, qualification and place of employment of the referees they have chosen.
Foreign Languages	English.

Further Information	<p>During the three-year period (and, preferably, in the second year), PhD students must spend abroad, or in Italy at international training centers, for a total period of at least 6 months (possibly not consecutive, but in any case - for each fraction - of adequate consistency) to carry out in-depth activities in the respective research areas.</p> <p>During the three-year period, the PhD student will spend a 12-month period at the "Giannina Gaslini" Institute in Genoa to develop the application profiles of the research in collaboration with the Institute itself.</p> <p>Chair of the curriculum committee: Prof. Gisella De Simone gisella.desimone@unige.it</p> <p>Administrative contact person: Dott.ssa M. Stefania Lavezzo e-mail: dottorato.diritto@unige.it</p>
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Course: LAW**Curriculum: PUBLIC LAW (ADMINISTRATIVE, CONSTITUTIONAL, CRIMINAL, CRIMINAL PROCEDURAL AND TAX LAW) (CODE 10489)**

Course Coordinator: Chiassoni Pierluigi	
Department of Law Studies (Dipartimento di Giurisprudenza – DIGI)	
Places: 2 – Grants: 2 (*)	
(*) 2 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND EXAM
Written Test	24.07.2024 – ore 9.00 Computer Classroom (Albergo dei Poveri - Piazzale Emanuele Brignole, 2)
Interview	25.07.2024 – ore 9.00 Department of Law (via Balbi 30 I floor)
Exam Syllabus	<p>Written test: a brief written discussion on a topic consistent with the subjects listed in this call for application.</p> <p>The interview will focus on the discussion of the written test and of the research project in order to assess the applicant's ability to develop it.</p> <p>In addition, the applicants will be expected to show evidence of their general knowledge about the subject area of the PhD course as well of his/her academic potential.</p> <p>The research proposal shall focus on topics related to the research fields listed in the appropriate section of the call for application.</p> <p>The research project is requested to include: the thematic area of interest (administrative law, constitutional law and comparative public law, criminal law, criminal procedure law, tax law), title of the project, state of the art, synthetic bibliography, main research question(s), planned work, expected results.</p>
Research Themes	<p>The proposal submitted by the candidate must relate to one of the following thematic areas:</p> <p>Constitutional law</p> <ul style="list-style-type: none"> - Historical-institutional evolution of the contemporary state; theory of the forms of state and forms of government; constitutional review; EU constitutionalization process and national and supranational protection of fundamental rights system; domestic, EU and international sources of law; <p>Administrative law</p> <ul style="list-style-type: none"> - issues related to recent reforms in the area of administrative organization and administrative activity, also with reference to the positions taken by the jurisprudence; - topical issues in administrative justice; - Problematic profiles concerning environmental law, urban planning law, energy transition law and cultural heritage law; <p>Criminal law</p> <ul style="list-style-type: none"> - Review of penal code (issues of general and special part), even in the prospective of unification and empowerment of international cooperation tools; Review of sanctioning system; <p>Criminal Procedure Law</p> <ul style="list-style-type: none"> - Topics related to recent reforms by Parliament or recent case law (of National or European Courts); - comparative and European criminal procedural law; - technological development and criminal proceedings; <p>- Tax law</p> <p>Fair trial and due process of law. The protection of fundamental rights and the challenges of technological progress.</p> <p>Human rights;</p> <p>Legal Pluralism;</p> <p>Minorities Rights;</p> <p>Federalism and regionalism;</p> <p>Constitution-making power and constitutional transitions;</p> <p>Fairness and transparency of political public decision-making and right to information of citizens;</p> <p>Public powers in the global legal space.</p>
Information on references	No letters of reference are required. Any letters of reference received in any case will not be taken into account for the purposes of scoring.

Foreign Languages	One of the following languages: English, French, German, Spanish. Knowledge will be verified during the interview.
Further Information	<p>During the three-year PhD period (preferably during the second year), PhD students must spend a period of time abroad or at higher education institutions of an international nature in Italy, in order to carry out in-depth studies in their respective fields of research; this period must have a total duration of at least 6 months (including non-consecutive periods, but in any case of adequate duration for each fraction).</p> <p>Administrative contact: Dr. M. Stefania Lavezzo dottorato.diritto@unige.it</p> <p>Responsible for the curriculum: Prof. Mitja Gialuz mitja.gialuz@unige.it</p>

Course: LAW**Curriculum: PUBLIC LAW (ADMINISTRATIVE, CONSTITUTIONAL, CRIMINAL, CRIMINAL PROCEDURAL AND TAX LAW) (CODE 10490)**

Course Coordinator: Chiassoni Pierluigi	
Department of Law Studies (Dipartimento di Giurisprudenza – DIGI)	
Places: 1 – Grant: 1 (*)	
(*) 1 grant funded within D.M. 629 dated 24.4.2024 (Pubblica Amministrazione), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500 (CUP D32B24000440006)	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND EXAM
Written Test	24.07.2024 – ore 9.00 Computer Classroom (Albergo dei Poveri - Piazzale Emanuele Brignole, 2)
Interview	25.07.2024 – ore 9.00 Department of Law (via Balbi 30 I floor)
Exam Syllabus	<p>Written test: a brief written discussion on a topic consistent with the subjects about administrative law, listed in this call for application.</p> <p>The interview will focus on the discussion of the written test and of the research project in order to assess the applicant's ability to develop it. The interview will focus on administrative law:</p> <ul style="list-style-type: none"> - issues related to recent reforms in the area of administrative organization and administrative activity, also with reference to the positions taken by the jurisprudence; - topical issues in administrative justice; - Problematic profiles concerning environmental law, urban planning law, energy transition law and cultural heritage law. <p>In addition, the applicants will be expected to show evidence of their general knowledge about the subject area of the PhD course as well of his/her academic potential.</p> <p>The research proposal shall focus on topics related to the research fields listed in the appropriate section of the call for application.</p> <p>The research project is requested to include: the thematic area of interest (administrative law), title of the project, state of the art, synthetic bibliography, main research question(s), planned work, expected results.</p>
Research Themes	<p>The doctoral course will be devoted to a research project on the topic of Administrative law, cultural heritage, civil protection and artificial intelligence: such a research will focus on an analysis and reworking of administrative law concerning the regulation of civil protection, cultural heritage and artificial intelligence.</p> <p>In particular, the research project will have to deal with the legal instruments useful for implementing the resilience of both the civil protection system and the protection of cultural heritage, as well as the interconnections of the two aforementioned areas.</p> <p>Specific attention will have to be paid to the use of ICT and to the supranational dimension.</p> <p>The specific thematic areas of the research project will be those of substantive and procedural administrative law, cultural heritage law, civil protection law and new technologies at the service of public administration.</p> <p>The initiative will have as its partner Cima Foundation, with which the Athenaeum has had fruitful collaborative relationships for years.</p>
Information on references	No letters of reference are required. Any letters of reference received in any case will not be taken into account for the purposes of scoring.
Foreign Languages	One of the following languages: English, French, German, Spanish. Knowledge will be verified during the interview.
Further Information	<p>During the three-year PhD period (preferably during the second year), PhD students must spend a period of time abroad or at higher education institutions of an international nature in Italy, in order to carry out in-depth studies in their respective fields of research; this period must have a total duration of at least 6 months (including non-consecutive periods, but in any case of adequate duration for each fraction).</p> <p>Administrative contact: Dr. M. Stefania Lavezzo dottorato.diritto@unige.it</p> <p>Responsible for the curriculum: Prof. Mitja Gialuz mitja.gialuz@unige.it</p>

Course: LAW

Curriculum: PUBLIC LAW (ADMINISTRATIVE, CONSTITUTIONAL, CRIMINAL, CRIMINAL PROCEDURAL AND TAX LAW) (CODE 10491)

Course Coordinator: Chiassoni Pierluigi	
Department of Law Studies (Dipartimento di Giurisprudenza – DIGI)	
Places: 1 – Grant: 1 (*)	
(*) 1 grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of Istituto Gaslini Genova, under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500. Research project: Public participations and consortia between training enterprises, research and instrumental services at IRCCS	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND EXAM <ul style="list-style-type: none">• Assessment of qualifications/publications and the curriculum vitae et studiorum• Written test (research project)• Interview that includes the description of the candidate's research area of interest, also on the basis of previous activities stated in his/her scientific professional curriculum
Interview	25.07.2024 – ore 9.00 Department of Law (via Balbi 30 I floor)
Exam Syllabus	<p>The interview will focus in particular on the discussion of the research project submitted by the candidate, consistent with the research topics related to administrative law, and will also focus on:</p> <ul style="list-style-type: none">- issues related to recent reforms in the area of administrative organization and administrative activity, also with reference to the positions taken by the jurisprudence;- topical issues in administrative justice;- Problematic profiles concerning environmental law, urban planning law, energy transition law and cultural heritage law. <p>In addition, the applicants will be expected to show evidence of their general knowledge about the subject area of the PhD course as well of his/her academic potential.</p> <p>The research proposal shall focus on topics related to the research fields listed in the appropriate section of the call for application. The research project is requested to include: the thematic area of interest (administrative law), title of the project, state of the art, synthetic bibliography, main research question(s), planned work, expected results.</p>
Research Themes	<p>The doctoral course will be devoted to research on the subject of public participations and consortia between training, research and instrumental IRCCS services.</p> <p>In recent years, new forms of carrying out the activities also of public bodies through the use of instrumental entities have developed with increasing frequency. In particular, with the emergence of new ecosystem projects, co-funded by the PNRR and PNC, it is necessary to set up distributed research infrastructures, the operation of which is based on the cooperation and supply chain of several entities, grouped together in public-private partnerships. This is essential in order to achieve a better and more efficient organization of the IRCCS's activities and the achievement of the Institute's public interest objectives.</p> <p>The institute currently makes use of nine publicly-owned companies, with particular reference to foundations and consortia, and plans to increase the use of these entities, also with a view to better responding to the need for efficiency, effectiveness and cost-effectiveness, which nowadays seem more relevant than ever. Among the participations there are already 'in-house' instrumental entities that will soon be implemented with the purchase of another participation for services instrumental to the health authority. The regulation of these participations is mainly dictated by Legislative Decree No. 175 of 19 August 2016, which introduced the Consolidation Act on publicly owned companies.</p> <p>It will therefore be of the utmost importance to carry out in-depth analyses of the sector's regulations, also and above all with reference to the most recent updates, jurisprudential applications and stances, as well as to assess their concrete applications and possible repercussions both in terms of organization and activity</p>
Information on references	No letters of reference are required. Any letters of reference received in any case will not be taken into account for the purposes of scoring.
Foreign Languages	One of the following languages: English, French, German, Spanish. Knowledge will be verified during the interview.

Further Information	<p>During the three-year PhD period (preferably during the second year), PhD students must spend a period of time abroad or at higher education institutions of an international nature in Italy, in order to carry out in-depth studies in their respective fields of research; this period must have a total duration of at least 6 months (including non-consecutive periods, but in any case of adequate duration for each fraction).</p> <p>Administrative contact: Dr. M. Stefania Lavezzo dottorato.diritto@unige.it</p> <p>Responsible for the curriculum: Prof. Mitja Gialuz mitja.gialuz@unige.it</p>
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**Course: ECONOMICS AND QUANTITATIVE METHODS
(CODE 10492)**

Course Coordinator: Piga Claudio Antonio Giuseppe	
Department of Economics (Dipartimento di Economia – DIEC)	
Places: 6 (°)– Grants: 5 (*)	
(*) 5 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €16.500 (°) 1 position for a graduate holding a grant from abroad	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	25.07.2024 – ore 09:30 su canale TEAMS
Exam Syllabus	Discussion on the candidate's CV and of the submitted Research Project. The discussion will be held in English
Research Themes	<p>The research projects for the 5 ministerial scholarships should be based on the following wide disciplinary areas:</p> <ul style="list-style-type: none"> • Microeconomics • Macroeconomics and Growth Theory • Statistics • Economic History • History of Economic Thought • Behavioural Economics • Industrial Organization and Economics • Health Economics • Regional Economics • Tourism Economics • Labour Economics <p>The candidates for these grants must submit a research project where they illustrate the theoretical foundations drawn from these disciplines and discuss the quantitative methods they plan to adopt to develop their investigation of the chosen topic.</p> <p>(°) Foreign Financing Body: Management Center Innsbruck (MCI) – The Entrepreneurial School Project Title: Efficient care systems and innovative healthcare in Tyrol.</p> <p>The application MUST include a certificate issued by the foreign financing body stating that the applicant is the winner of the grant, to whom the place in the PhD programme is reserved. During the examination the Committee will verify whether the applicant possesses the qualifications and knowledge to attend the PhD programme in Economics and Quantitative Methods.</p>
Information on references	Send one reference letters in support of application to the following e-mail address: dottoratodiec@economia.unige.it
Foreign Languages	English
Further Information	<p>For further information https://eqm.phd.unige.it/en or write an e-mail to: dottoratodiec@economia.unige.it or to the PhD Coordinator, Professor Claudio Piga: claudio.piga@unige.it</p> <p>For the 5 ministerial scholarships the successful candidates can opt to spend up to 9 months visiting a foreign university or a foreign research institute. During such periods, the scholarship will be increased by 50%. The recipients of each ministerial scholarship will also receive a yearly research fund, worth €1650, to support research travel, conference and summer school attendance.</p>

**Course: ECONOMICS AND QUANTITATIVE METHODS
(CODE 10493)**

Course Coordinator: Piga Claudio Antonio Giuseppe	
Department of Economics (Dipartimento di Economia – DIEC)	
Places: 3 – Grants: 3 (*)	
<p>(*) 1 grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of FinPro Liguria Srl (partecipata Lega Coop) under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17500. Research project: Territory, growth and local economic development</p> <p>(*) 1 grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution Azienda Sanitaria Locale 3 Liguria, under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17500. Research project: The balance sheet system in public health organizations: standard practice and innovative methods to support effective managerial decisions.</p> <p>(*) 1 grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of Ospedale San Martino, Genova under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17500. Research project: Innovative Organizational models in the Health Care sector</p>	
Comparative assessment procedure	<p>QUALIFICATIONS/PUBLICATIONS AND EXAM</p> <ul style="list-style-type: none"> • Assessment of qualifications/publications and the curriculum vitae et studiorum • Written test (research project) • Interview that includes the description of the candidate’s research area of interest, also based on previous activities stated in his/her scientific professional curriculum
Interview	25.07.2024 – ore 14:30 su canale TEAMS
Research Themes	<p>Research project for grant within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f): Territory, growth and local economic development</p> <p>The general goal of this project is the definition of an innovative approach to local sustainable development that, through the transfer of knowledge among different players, is aimed at implementing the European strategies on climate change, food, soil, and biodiversity so as to enhance the processes of territorial development. *****</p> <p>Research project for grant within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f): The balance sheet system in public health organizations: standard practice and innovative methods to support effective managerial decisions.</p> <p>Main goal is to study the current methods used to build the balance sheet reports in a public, state-owned health organization, with a special focus on the flow of information among divisions and the organizational innovations that can help support and improve the effectiveness of the managerial decision process. In a public organization it is important to optimise the allocation of resources to ensure a sustainable and effective health service, so as to balance cost effectiveness with the provision of high quality service. Among the objectives is to evaluate the current practices, that also reflect the normative framework, against possible innovative alternatives derived from international experiences, to seek improvements in the speed of the information flow that is used for managerial analysis and decision-making. *****</p> <p>Research project for grant within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f): Innovative Organizational models in the Health Care sector</p> <p>Main objective is to delineate how the current Organizational Architecture can be redesigned in line with the “Lean” method aimed to ensure a more efficient operational set of processes. Advantages and disadvantages of the passage from a functional to a process-based work organization will be analysed.</p>

	The candidate will define the main features of the current Organizational Architecture and focus on its existing production processes, especially those regarding the management of the surgical patients within the IRCCS Policlinico San Martino. The identification of redundant activities and the adoption of more streamlined processes is expected to lead to a more efficient use of resources.
Information on references	Send one reference letters in support of application to the following e-mail address: dottoratodiec@economia.unige.it
Foreign Languages	English
Further Information	<p>The winners will have to spend an internship research and study period of 12 months at the FinPro srl headquarters.</p> <p>Further information about commitments and conditions of the grants funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) are available in the Notice of competition (article 6, paragraph 6)</p> <p>Months to be spent abroad: 0, so no scholarship increment is allowed and budgeted for.</p> <p>The recipients of each ministerial scholarship will also receive a yearly research fund, worth €1650, to support research travel, conference and summer school attendance.</p> <p>For further information https://eqm.phd.unige.it/en or write an e-mail to: dottoratodiec@economia.unige.it or to the PhD Coordinator, Professor Claudio Piga: claudio.piga@unige.it</p>

Course: PHYSICS AND NANOSCIENCES

In agreement with the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia – IIT) and National Institute for Nuclear Physics (Istituto Nazionale di Fisica Nucleare – INFN-)

Curriculum: BIO-NANOSCIENCE (CODE 10494)

Course Coordinator: Ferrando Riccardo	
Department of Physics (Dipartimento di Fisica – DIFI)	
Places: 1 – Grants: 1 (*)	
(*) 1 grant funded by IIT, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	24.07.2024 – 8:30 am at the Department of Physics (Dipartimento di Fisica – DIFI), via Dodecaneso 33, Genova. If a candidate has been admitted to the interview but cannot reach in time the place of the exam, the option of a video conferencing interview is available. To request this option it is necessary to send an e-mail by 14.07.2024 to phd.physics@unige.it The details about the connection will be in the reply to the e-mail request.
Further information on how to present qualifications/publications	Each candidate must submit a description of the research project he/she intends to carry out during the three years of the PhD course. The project must be written in English. A maximum length of 6000 characters including spaces is allowed.
Exam Syllabus	<ul style="list-style-type: none"> - Discussion about the qualification of the candidate. - Discussion of the Master's thesis. - Presentation and discussion of the proposed research project. - Interview on basic physics topics (general physics, modern physics). - Verification of knowledge of the English language.
Research Themes	<p>Research topics of the grant</p> <ul style="list-style-type: none"> • “Advanced electron microscopy of nanomaterials”. <p>The development of new materials for opto- and nano-electronics requires a fine understanding of the local morphological and electronic properties at the nanoscale. Particularly, in the case of novel nanomaterials, electron microscopy can be employed to analyse chemical composition, crystallography and electronic configuration with nanometer-scale resolution. In this project, we will use state-of-the-art Scanning Transmission Electron Microscopy (STEM) in combination with spectroscopic techniques (EDX, EELS) to characterise nanocrystals and 2D materials for functional optoelectronics applications. Contact: Dr. Giorgio Divitini – giorgio.divitini@iit.it</p>
Information on references	Candidates must choose up to three referees to support their application. These contacts must be university professors or experts in the field. It is preferable that at least one contact belongs to the University of Genoa or to the affiliated research bodies (CNR/INFN/IIT). The referents will be responsible for sending the reference letters, preferably written in English, within the deadline of the call. The letters must be addressed to the attention of the course coordinator Prof. Riccardo Ferrando to the e-mail address: phd.physics@unige.it The subject of the e-mail must be: PHD REFERENCE LETTER – BIONANOSCIENCES.
Foreign Languages	Excellent knowledge of both spoken and written English. A very basic knowledge of Italian is desirable.

Course: PHYSICS AND NANOSCIENCES

In agreement with the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia – IIT) and National Institute for Nuclear Physics (Istituto Nazionale di Fisica Nucleare – INFN)

Curriculum: PHYSICS (CODE 10495)

Course Coordinator: Ferrando Riccardo	
Department of Physics (Dipartimento di Fisica – DIFI)	
Places: 10 – Grants: 10 (*)	
(*) 7 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00 (*) 1 grant co-funded by MUR/Department (DIFI), the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00 (*) 2 grants funded by INFN, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	24.07.2024 – 8:30 am at the Department of Physics (Dipartimento di Fisica – DIFI), via Dodecaneso 33, Genova. If a candidate has been admitted to the interview but cannot reach in time the place of the exam, the option of a video conferencing interview is available. To request this option it is necessary to send an e-mail by 14.07.2024 to phd.physics@unige.it The details about the connection will be in the reply to the e-mail request.
Further information on how to present qualifications/publications	Each candidate must submit a description of the research project he/she intends to carry out during the three years of the PhD course. The project must be written in English. A maximum length of 6000 characters including spaces is allowed.
Exam Syllabus	<ul style="list-style-type: none"> - Discussion about the qualification of the candidate. - Discussion of the Master's thesis. - Presentation and discussion of the proposed research project. - Interview on basic physics topics (general physics, modern physics). - Verification of knowledge of the English language.
Research Themes	<p>The research lines at DIFI include various aspects of Physics, among which</p> <ul style="list-style-type: none"> - Theoretical and Experimental Physics of Fundamental Interactions - Theoretical and Experimental Physics of Condensed Matter - Astronomy and Astrophysics - Physics Applied to the Environment, to Biology and Medicine <p><u>Research topic of the grant co-funded by Università degli Studi di Genova and DIFI</u></p> <ul style="list-style-type: none"> • “Extracellular vesicles are biological, membranous nanoparticles which are increasingly emerging as inter-cellular communication agents in key physiological and pathological processes (e.g. cancer metastasis, microbiota homeostasis, viral infection). For this reason, EVs show promise in diverse applications as therapeutics, diagnostics, and nutrition. Currently, there is no clear connection between EVs static physico-chemical signatures (composition, structure) and mesoscale properties, such as mechanical properties, and function, such as fusogenicity. In this PhD project, we will lay the basis for the development of an in silico multiscale model of an extracellular vesicle, for the study of its properties and dynamic behavior, with special focus on the mechanisms leading to endosomal escape. Simulations will be performed at the atomistic and coarse-grained resolution, by means of Molecular Dynamics and enhanced sampling techniques.” <p>contact: Prof. Giulia Rossi – giulia.rossi@unige.it</p>
Information on references	Candidates must choose up to three referees to support their application. These contacts must be university professors or experts in the field. It is preferable that at least one contact belongs to the University of Genoa or to the affiliated research bodies (CNR/INFN/IIT). The referents will be responsible for sending the reference letters, preferably written in English, within the deadline of the call. The letters must be addressed to the attention of the course coordinator Prof. Riccardo Ferrando to the e-mail address: phd.physics@unige.it The subject of the e-mail must be: PHD REFERENCE LETTER – PHYSICS.
Foreign Languages	Excellent knowledge of both spoken and written English. A very basic knowledge of Italian is desirable.

Course: PHYSICS AND NANOSCIENCES

In agreement with the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia – IIT) and National Institute for Nuclear Physics (Istituto Nazionale di Fisica Nucleare – INFN-)

Curriculum: APPLIED SUPERCONDUCTIVITY (CODE 10496)

Course Coordinator: Ferrando Riccardo	
Department of Physics (Dipartimento di Fisica – DIFI)	
Places: 2 – Grants: 2 (*) [1]	
(*) 1 grant funded by CNR, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00	
(*) 1 grant funded by ASI (Agenzia Spaziale Italiana), the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00 [1]	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	24.07.2024 – 8:30 am at the Department of Physics (Dipartimento di Fisica – DIFI), via Dodecaneso 33, Genova. If a candidate has been admitted to the interview but cannot reach in time the place of the exam, the option of a video conferencing interview is available. To request this option it is necessary to send an e-mail by 14.07.2024 to phd.physics@unige.it The details about the connection will be in the reply to the e-mail request.
Further information on how to present qualifications/publications	Each candidate must submit a description of the research project he/she intends to carry out during the three years of the PhD course. The project must be written in English. A maximum length of 6000 characters including spaces is allowed.
Exam Syllabus	- Discussion about the qualification of the candidate. - Discussion of the Master's thesis. - Presentation and discussion of the proposed research project. - Interview on basic physics topics (general physics, modern physics). - Verification of knowledge of the English language.
Research Themes	<u>Research topic of the grant</u> • “Development of innovative superconductors for application in high field magnets for particle accelerators ” The thesis project is part of a collaboration between the SPIN Institute of CNR and CERN. The scope is to develop the technological steps towards a new generation of High Tc superconducting wires originated from Fe-based superconductors (IBS) of the family (Ba,K)Fe ₂ As ₂ . The very high upper critical field (H _{c2}) in addition to the low anisotropy makes IBS quite attractive for use in high-field magnets. Furthermore, high-field magnets can operate not only at liquid helium temperature but also at higher temperature of around 20 K. Some critical aspects shall be faced: a deep study of the grains connectivity as well as its relationship with phase purity and microstructure; the powder densification and the grains texturing within a multifilamentary wire needed to reach the desired transport properties. Contact: Dr. Andrea Malagoli – andrea.malagoli@spin.cnr.it • “Superconducting Devices for Space Applications” Observations of Deep Space in Astrophysics and Cosmology require detectors and in particular devices with sensitivity and resolution performance not accessible by traditional methods. A line of research that is producing significant results is superconducting devices whose use is planned for two missions of the Italian space agency for Inflationary Cosmology (Large Scale Polarization Explorer) and Astrophysics X (Advanced Telescope for High Energy Astrophysics), which is under the European Space Agency science program. The focus of the doctoral fellowship will be on the design, development and study of focal plane superconducting detectors and devices that will be integrated into flight instruments. Contact: Prof. Flavio Gatti – flavio.gatti@unige.it [1]
Information on references	Candidates must choose up to three referees to support their application. These contacts must be university professors or experts in the field. It is preferable that at least one contact belongs to the University of Genoa or to the affiliated research bodies (CNR/INFN/IIT). The referents will be responsible for sending the reference letters, preferably written in English, within the deadline of the call. The letters must be addressed to the attention of the course coordinator Prof. Riccardo Ferrando to the e-mail address: phd.physics@unige.it The subject of the e-mail must be: PHD REFERENCE LETTER – APPLIED SUPERCONDUCTIVITY.

Foreign Languages	Excellent knowledge of both spoken and written English. A very basic knowledge of Italian is desirable.
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[1] 1 position with grant added after the publication of the Notice of competition (D.R. 2882 dated 6.06.2024)

**Course: CLINICAL AND EXPERIMENTAL IMMUNOLOGY
(CODE 10497)**

Course Coordinator: Sivori Simona	
Department of Experimental Medicine (Dipartimento di Medicina Sperimentale – DIMES)	
Places: 7 (°) – Grants: 5 (*)	
<p>(*) 3 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00</p> <p>(*) 1 grant cofunded by MUR/Department (DIMES); the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00</p> <p>(*) 1 grant funded within D.M. 630 dated 24.4.2024 (cofunded by IRCCS Ospedale Policlinico S. Martino, Genova), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (CUP D32B24000570008)</p> <p>(°) 1 position reserved to employee by IRCCS Ospedale Policlinico S. Martino (Genova)</p> <p>(°) 1 position reserved to employee by IRCCS Istituto G. Gaslini (Genova)</p>	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	July 24 th , 2024 – at 11:00 a.m (Italian time). The interview will take place by videoconference. Details will be provided to applicants via e-mail after the registration closes. The candidate must have a reliable internet connection to allow the interview to take place.
Further information on how to present qualifications/publications	<p>Candidates must submit:</p> <ul style="list-style-type: none"> - the pdf file of their Bachelor's and Master's degree and/or equivalents (BS, Master) - a project proposal in the field of Clinical and Experimental Immunology, and relating to one of the indicated topics - the curriculum vitae et studiorum including all the already done technical scientific studies/activities pertinent to the doctoral program - the list and pdf files of scientific publications - certifications related to periods spent in research laboratories - up to 3 recommendation letters from university professors or recognized experts in the field supporting the candidate.
Exam Syllabus	Presentation and discussion of the submitted project proposal, evaluation of the candidate's preparation on basic and clinical immunology topics. Evaluation of English language skills by reading, translating and understanding part of a scientific article.
Research Themes	<p>Role of Natural Killer cells in pathogenesis and progression of multiple sclerosis (<i>research theme for grant funded within D.M. 630</i>)</p> <p>HLA-specific receptors as regulators of the NK-mediated antitumor response for future precision medicine approaches (<i>research theme for the position reserved to employee by IRCCS Ospedale Policlinico S. Martino</i>)</p> <p>Proteomic approaches for the characterization of biomarkers in tumor cells, tumor-derived extracellular vesicles and plasma from pediatric patients (<i>research theme for the position reserved to employee by IRCCS Istituto G. Gaslini</i>).</p> <p><i>Research themes for the remaining PhD positions:</i></p> <ul style="list-style-type: none"> - Innate response and characterization of Innate Immunity cells (Natural Killer cells and ILCs) - Adaptive response and characterization of T lymphocytes - Autoimmunity - Cancer immunology - Immunology of infections
Information on references	<p>The Candidates must choose up to three referees to endorse their candidature. The referees, chosen among university professors or recognized experts in the field, amust send the recommendation letters (specifying their name, role and affiliation), within the deadline of the public notice, to the Coordinator of the Doctoral Course, Prof. Simona Sivori, at the following address: dottorato.immunologia@unige.it</p> <p>The candidate must state in the application the name, status and current position of the referees chosen.</p>
Foreign Languages	English
Further Information	Doctoral secretariat: Dr. Chiara Marangoni and Dr. Eva Baraldi - dottorato.immunologia@unige.it

**Course: CLINICAL AND EXPERIMENTAL IMMUNOLOGY
(CODE 10498)**

Course Coordinator: Sivori Simona	
Department of Experimental Medicine (Dipartimento di Medicina Sperimentale – DIMES)	
Places: 2 – Grants: 2 (*)	
(*) 1 grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of IRCCS Ospedale Policlinico S. Martino (Genova), under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00. Research project: <i>Study of the neural control mechanisms of hematopoiesis in a preclinical model of Multiple Sclerosis.</i>	
(*) 1 grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of IRCCS Istituto G. Gaslini (Genova), under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00. Research project: <i>Analysis of the polymorphism of the NKG2C and NKG2D genes as possible biomarkers useful in the selection of haploidentical hematopoietic stem cell donors.</i>	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND EXAM <ul style="list-style-type: none"> • Evaluation of qualifications and professional scientific curriculum • Written test (research project) • Interview which includes the illustration of the research activities of interest to the candidate, also based on the previous activities declared in the scientific-professional curriculum
Interview	July 25th, 2024 – at 2:30 p.m. (Italian time). The interview will take place by videoconference. Details will be provided to applicants via e-mail after the registration closes. The candidate must have a reliable internet connection to allow the interview to take place.
Further information on how to present qualifications/publications	Candidates must submit: <ul style="list-style-type: none"> - the pdf file of their Bachelor's and Master's degree and/or equivalents (BS, Master) - a project proposal related to the indicated topic - the curriculum vitae et studiorum including all the already done technical scientific studies/activities pertinent to the doctoral program - the list and pdf files of scientific publications - certifications related to periods spent in research laboratories - up to 3 recommendation letters from university professors or recognized experts in the field supporting the candidate.
Exam Syllabus	Presentation and discussion of the submitted project proposal, evaluation of the candidate's preparation on basic and clinical immunology topics. Evaluation of English language skills by reading, translating and understanding part of a scientific article.
Research Themes	Research project for grants within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of IRCCS Ospedale Policlinico S. Martino (Genova): <i>Study of the neural control mechanisms of hematopoiesis in a preclinical model of Multiple Sclerosis.</i> Research project for grants within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of IRCCS Istituto G. Gaslini (Genova): <i>Analysis of the polymorphism of the NKG2C and NKG2D genes as possible biomarkers useful in the selection of haploidentical hematopoietic stem cell donors.</i>
Information on references	The Candidates must choose up to three referees to endorse their candidature. The referees, chosen among university professors or recognized experts in the field, must send the recommendation letters (specifying their name, role and affiliation), within the deadline of the public notice, to the Coordinator of the Doctoral Course, Prof. Simona Sivori, at the following address: dottorato.immunologia@unige.it The candidate must state in the application the name, status and current position of the referees chosen.
Foreign Languages	English

Further Information	<p>Doctoral secretariat: Dr. Chiara Marangoni and Dr. Eva Baraldi - dottorato.immunologia@unige.it</p> <p>Further information about commitments and conditions of the grants funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) are available in the Notice of competition (article 6, paragraph 6)</p> <p>Months to be spent abroad: 0</p>
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Course: COMPUTER SCIENCE AND SYSTEMS ENGINEERING**Curriculum: COMPUTER SCIENCE (CODE 10499)**

Course Coordinator: Delzanno Giorgio	
Department of Informatics, Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi – DIBRIS)	
Places: 7 - Grants: 7 (*) [1]	
(*) 4 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 18.500.	
(*) 1 grant funded within D.M. 630 dated 4.24.2024 and cofunded by Dialog S.r.l., under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 18.500 (CUP D32B24000690008)	
(*) 1 grant funded by Italian Institute of Technology (IIT); the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 18.500.	
(*) 1 grant funded by DIBRIS on the ERC project “RIDING”; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 18.500 [1]	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	Interviews are scheduled on 25.07.2024 at 9.00 AM (CEST) at DIBRIS, via Dodecaneso 35, Genoa. The schedule of video conference interviews will be fixed according to the availability of the commission members.
Further information on how to present qualifications and publications	Curriculum vitae: candidates must present a curriculum vitae with clear indications on the qualifications acquired with relative grades, research experience, publications, awards and work experience. Research project: candidates must submit a research project with clear indication of the following information: type of grant (University of Genoa/MUR, PNRR M. D. 630, Place reserved for employees); research theme or macro-theme (see specific section of this notice); reference DIBRIS research group and company that cofinances the position. Instructions and suggestions for the submission of the research proposal are available at the URL https://csse.phd.unige.it/admission
Exam Syllabus	The comparative procedure consists of - an assessment of the candidate qualifications - an interview to verify background and knowledge of the candidate as well as motivations and goals of the research proposal submitted with the application.
Research Themes	The research project must contain a clear indication of the type of grant of interest to the candidate (University of Genoa/MUR, PNRR M.D. 630, Positions reserved for employees), the research topic, and, possibly, the DIBRIS research group of reference and/or company co-financing the position. Research topics for 4 University of Genoa/MUR grants The projects proposed by DIBRIS research groups for University of Genoa/MUR grants and MD 630 grants are described at the URL: https://csse.phd.unige.it/admission . Research projects which in any case fall within the research lines of the Computer Science curriculum (see https://csse.phd.unige.it/) will also be taken into consideration. Research topics for 1 grant funded by DIBRIS: N. 1 grant funded on the ERC project “RIDING”, supervisors Prof. A. Verri (DIBRIS) and A. Seminara (DICCA) on the theme: "Model-based vs model-free reinforcement learning for navigating turbulence" [1] Research topic for 1 grant funded by Italian Institute of Technology (IIT) N. 1 grant funded by IIT on the theme: “Machine learning and dynamical systems” supervisor Dr. M. Pontil (IIT). Research topics for 1 grant funded by PNRR M.D. 630: N. 1 grant cofunded by DIALOG Ausili on the theme: "Interactive and immersive systems based on virtual and augmented reality for rehabilitation in subjects with neuromotor and cognitive difficulties". For more details (abstracts/contacts), refer to the URL: https://csse.phd.unige.it/admission

Information on references	<p>Candidates must choose no less than one and no more than three contact persons to support their candidacy. These referents must be university professors or experts in the field.</p> <p>It will be the referents' responsibility to send the reference letters, within the deadline of the call, to the attention of the Coordinator of the PhD course at the e-mail address: phd.compsci@dibris.unige.it.</p> <p>In the application for admission, candidates must indicate the name, qualification and place of employment of the contact persons chosen by them. The reference letter template is available at the URL: https://csse.phd.unige.it/admission</p>
Language	English
Other Information	Period abroad PNRR DM 630: at least 6 months abroad and 12 months of internship in the company

[1] Position with grant added after the publication of the Notice of competition (D.R. 2882 dated 6.06.2024)

Course: COMPUTER SCIENCE AND SYSTEMS ENGINEERING**Curriculum: COMPUTER SCIENCE (CODE 10500)**

Course Coordinator: Delzanno Giorgio	
Department of Informatics, Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi – DIBRIS)	
Places: 2 - Grants: 2 (*)	
(*)1 grant funded by PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration with and cofunded by Gter S.R.L., subject to approval of the project and its financing; the annual amount of the grant, gross of social security contributions to be paid by the recipient, is € 18,500. Project: Sensor fusion techniques for real-time precision positioning with 'Galileo' services.	
(*) 1 grant funded by PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration with and cofunded by JPDroni, subject to approval of the project and its financing; the annual amount of the grant, gross of social security contributions to be paid by the recipient, is € 18,500. Project: Study of a Highly Automated Drone Inspection System.	
Comparative assessment procedure	<p>QUALIFICATIONS/PUBLICATIONS AND EXAM</p> <ul style="list-style-type: none"> • Evaluation of qualifications and professional scientific curriculum • Written test (research project) • Interview which includes the illustration of the research activities of interest to the candidate, also on the basis of the previous activities declared in the scientific-professional curriculum
Interview	<p>Interviews are scheduled on 25.07.2024 at 9.00 AM (CEST) at DIBRIS, via Dodecaneso 35, Genoa.</p> <p>The schedule of video conference interviews will be fixed according to the availability of the commission members.</p>
Further information on how to present qualifications and publications	<p>Curriculum vitae: candidates must present a curriculum vitae with clear indications on the qualifications acquired with relative grades, research experience, publications, awards and work experience.</p> <p>Research project: candidates must submit a research project with clear indication of the following information: type of grant (University/MUR, Ministerial Decree 118); research theme or macro-theme (see specific section of this notice); reference DIBRIS research group and company that cofinances the position.</p> <p>Instructions and suggestions for the submission of the research proposal are available at the URL https://csse.phd.unige.it/admission.</p>
Exam Syllabus	<p>The comparative procedure consists of</p> <ul style="list-style-type: none"> • an assessment of the candidate qualifications • an interview to verify background and knowledge of the candidate as well as motivations and goals of the research proposal submitted with the application.
Research Themes	<p>Research project for grant within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f): Grant co-funded by Gter S.R.L.: “Sensor fusion techniques for real-time precision positioning with 'Galileo' services”. Grant co-funded by JPDroni: “Study of a Highly Automated Drone Inspection System”</p> <p>For more details (abstracts/contacts), please refer to the URL: https://csse.phd.unige.it/admission</p>
Information on references	<p>Candidates must choose no less than one and no more than three contact persons to support their candidacy. The referents must be university professors or experts in the field. It will be the referents' responsibility to send the reference letters, within the deadline of the call, to the attention of the Coordinator of the PhD course at the e-mail address: phd.compsci@dibris.unige.it.</p> <p>In the application for admission, candidates must indicate the name, qualification and place of employment of the contact persons chosen by them. The reference letter template is available at the URL: https://csse.phd.unige.it/admission</p>
Language	English

Other information	Further information about commitments and conditions of the grants funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) are available in the Notice of competition (article 6, paragraph 6) Period abroad: 12 months of internship in the company and 0 months abroad
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Course: COMPUTER SCIENCE AND SYSTEMS ENGINEERING**Curriculum: SYSTEMS ENGINEERING (CODE 10501)**

Course Coordinator: Giorgio Delzanno	
Department of Informatics, Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi – DIBRIS)	
Places: 3 - Grants: 3 (*)	
(*) 2 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 18.500,00 (*) 1 grant funded within D.M. 630 dated 24.4.2024, under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 18.500,00 (CUP D32B24000690008)	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	Interviews are scheduled on 25.07.2024 at 9.00 AM (CEST) at DIBRIS, via Opera Pia 13, Genoa. The schedule of video conference interviews will be fixed according to the availability of the commission members.
Further information on how to present qualifications and publications	Curriculum vitae: candidates must present a curriculum vitae with clear indications on the qualifications acquired with relative grades, research experience, publications, awards and work experience. Research project: candidates must submit a research project with clear indication of the following information: type of grant (University/MUR, Ministerial Decree 118); research theme or macro-theme (see specific section of this notice); reference DIBRIS research group and company that cofinances the position. Instructions and suggestions for the submission of the research proposal are available at the URL https://csse.phd.unige.it/admission .
Exam Syllabus	The comparative procedure consists of <ul style="list-style-type: none"> • an assessment of the candidate qualifications • an interview to verify background and knowledge of the candidate as well as motivations and goals of the research proposal submitted with the application.
Research Themes	The research project must contain a clear indication of the type of grant of interest to the candidate (University/MUR, PNRR DM 118), the research topic or macro-topic and, possibly, the DIBRIS research group of reference and/or company co-financing the position. Research topics for 2 grants funded by the University of Genoa/MUR, and 1 grant funded by the PNRR M.D. 118 The projects proposed by DIBRIS research groups for University/MUR grants and MD 118 grants are described at the URL: https://csse.phd.unige.it/admission For the 2 grants co-financed by the University and MUR, research projects will also be taken into consideration which in any case fall within the research lines of the Systems Engineering curriculum (see https://csse.phd.unige.it/). Research topics for 1 grant funded by PNRR M.D. 630: N. 1 grant cofunded by Cetena S.p.A. on the theme: "Model-Based Systems Engineering for Naval Ships Design". For more details (abstracts/contacts), refer to the URL: https://csse.phd.unige.it/admission
Information on references	Candidates must choose no less than one and no more than three contact persons to support their candidacy. The referents must be university professors or experts in the field. It will be the referents' responsibility to send the reference letters, within the deadline of the call, to the attention of the Coordinator of the PhD course at the e-mail address: phd.syseng@dibris.unige.it . In the application for admission, candidates must indicate the name, qualification and place of employment of the contact persons chosen by them. The reference letter template is available at the URL: https://csse.phd.unige.it/admission
Language	English

Other Information	Curriculum coordinator Prof.ssa Simona Sacone Period abroad PNRR DM 630: at least 6 months abroad and 12 months of internship in the company
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Coordinator: Giorgio Delzanno	
Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS)	
Places: 1 - Grants: 1 (*)	
(*) 1 grant funded by PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and cofunded by Tarros S.p.A., subject to approval of the project and its financing; the annual amount of the grant, gross of social security contributions to be paid by the recipient, is € 18,500	
Project: Optimisation of logistics processes through the use of Artificial Intelligence	
Comparative assessment procedure	<p>QUALIFICATIONS/PUBLICATIONS AND EXAMINATION</p> <ul style="list-style-type: none"> • Evaluation of qualifications and professional scientific curriculum • Written test (research project) • Interview which includes the illustration of the research activities of interest to the candidate, also on the basis of the previous activities declared in the scientific-professional curriculum
Interview	<p>Interviews are scheduled on 25.07.2024 at 9.00 AM (CEST) at DIBRIS, via Opera Pia 13, Genoa.</p> <p>The schedule of video conference interviews will be fixed according to the availability of the commission members.</p>
Further information on how to present qualifications and publications	<p>Curriculum vitae: candidates must present a curriculum vitae with clear indications on the qualifications acquired with relative grades, research experience, publications, awards and work experience.</p> <p>Research project: candidates must submit a research project with clear indication of the following information: type of grant (University/MUR, Ministerial Decree 118); research theme or macro-theme (see specific section of this notice); reference DIBRIS research group and company that cofinances the position.</p> <p>Instructions and suggestions for the submission of the research proposal are available at the URL https://csse.phd.unige.it/admission</p>
Comparative assessment procedure	<p>The comparative procedure consists of</p> <ul style="list-style-type: none"> - an assessment of the candidate qualifications - an interview to verify background and knowledge of the candidate as well as motivations and goals of the research proposal submitted with the application.
Research Themes	<p>Research project for grant within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f): Optimisation of logistics processes through the use of Artificial Intelligence</p> <p>For more details (abstracts/contacts), please refer to the URL: https://csse.phd.unige.it/admission</p>
Information on references	<p>Candidates must choose no less than one and no more than three contact persons to support their candidacy. The referents must be university professors or experts in the field.</p> <p>It will be the referents' responsibility to send the reference letters, within the deadline of the call, to the attention of the Coordinator of the PhD course at the e-mail address: phd.syseng@dibris.unige.it.</p> <p>In the application for admission, candidates must indicate the name, qualification and place of employment of the contact persons chosen by them. The reference letter template is available at the URL: https://csse.phd.unige.it/admission</p>
Language	English
Other information	<p>Curriculum coordinator Prof.ssa Simona Sacone</p> <p>Further information about commitments and conditions of the grants funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) are available in the Notice of competition (article 6, paragraph 6)</p> <p>Period abroad: 12 months of internship in the company and 0 months abroad</p>

Course: ENGINEERING OF MODELS, MACHINE AND SYSTEMS FOR ENERGY, ENVIRONMENT AND TRANSPORT

Curriculum: MACHINES AND SYSTEMS FOR ENERGY, ENVIRONMENT AND PROPULSION (CODE 10503)

Course Coordinator: Daniele Simoni	
Department of Mechanical, Energetics, Management and Transport Engineering (Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti – DIME)	
Places: 5 – Grants: 4 (*)	
(*) 3 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 19.500,00	
(*) 1 grant funded within D.M. 630 dated 24.4.2024 (co-financed by TECHCOM) under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 19.500,00 (CUP D32B24000700008)	
(*) 1 position reserved for employees of “Istituto Omnicomprensivo Statale di Sannazzaro”	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS
Research Themes	<p>The research topics of the Curriculum concern energy production and aeronautical propulsion. They have experimental, numerical and theoretical nature and concern:</p> <ol style="list-style-type: none"> 1. Turbomachinery and combustors for power generation and aeronautical propulsion: <ul style="list-style-type: none"> • flow analysis in plant components and turbomachinery; • design of driving and operating turbomachinery; • unsteady aerodynamics of burners for turbogas plants; • mechanisms for generating aerodynamic noise in turbomachinery; - study of combustion processes. 2. Internal combustion engines for automotive traction and ship propulsion: <ul style="list-style-type: none"> • analysis of road vehicle emissions and modeling of the diffusion of pollutants in the environment; • study of the functional characteristics of components of the intake and exhaust systems of automotive engines; • advanced turbocharging systems for automotive applications; • optimization of performance, consumption and polluting emissions of engines for road traction. 3. Energy generation systems based on traditional and renewable primary sources: <ul style="list-style-type: none"> • analysis of the static and dynamic behavior of energy plants; • creation of simulators in simulated and real time; • analysis and optimization of complex and innovative systems for energy production. <p>The topics covered present important connections with transport systems, with modeling aspects related to Mathematical Physics and numerical processing, with controls and signal processing.</p>
Information on references	<p>Candidates must choose not less than one and not more than three referees to support their candidacy. on references These referents must be university professors or experts in the subject. It will be the responsibility of the contact persons to send the reference letters, within the deadline of the call, to:</p> <p>Prof. Daniele Simoni DIME Via Montallegro 1 16145 Genoa daniele.simoni@unige.it</p>
Foreign Languages	English language
Further Information	For further information, please contact the PhD Coordinator Prof. Daniele Simoni daniele.simoni@unige.it

Course: ENGINEERING OF MODELS, MACHINE AND SYSTEMS FOR ENERGY, ENVIRONMENT AND TRANSPORT

Curriculum: MACHINES AND SYSTEMS FOR ENERGY, ENVIRONMENT AND PROPULSION (CODE 10504)

Course Coordinator: Daniele Simoni	
Department of Mechanical, Energetics, Management and Transport Engineering (Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti – DIME)	
Places: 1 – Grants: 1 (*)	
(*) 1 grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of TECSIGLASS Srl, under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 19.500. Research project: Studio dei processi di combustione per configurazioni innovative di forni fusori per vetro	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND EXAM <ul style="list-style-type: none">- Evaluation of the scientific curriculum vitae- Evaluation of a relation describing the research program- Interview on the research activity planned to be carried out, also based on the skills and expertise highlighted into the curriculum vitae
Interview	23/07/2024, 10:00 am, in person at meeting room - sezione MASET of DIME
Research Themes	Research project for grant within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) : Studio dei processi di combustione per configurazioni innovative di forni fusori per vetro
Information on references	Candidates should presenta up to three reference letters from academic Professors or experts in the field. Reference Letters should be sent to: Prof. Daniele Simoni DIME Via Montallegro 1 16145 Genova daniele.simoni@unige.it
Foreign Languages	English
Further Information	Prof. Daniele Simoni daniele.simoni@unige.it Further information about commitments and conditions of the grants funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) are available in the Notice of competition (article 6, paragraph 6) Months to be spent abroad: 3

Course: ENGINEERING OF MODELS, MACHINE AND SYSTEMS FOR ENERGY, ENVIRONMENT AND TRANSPORT

Curriculum: MATHEMATICAL, STRATEGIC AND SIMULATION ENGINEERING (CODE 10505)

Course Coordinator: Daniele Simoni	
Department of Mechanical, Energetics, Management and Transport Engineering (Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti – DIME)	
Places: 4 – Grants: 3 (*)	
(*) 2 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (*) 1 grant funded within D.M. 630 dated 24.4.2024 (co-financed by SIM4Future) under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (CUP D32B24000700008) (°) 1 position reserved for employees of “SIM4Future”	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS
Research Themes	The following research topics are proposed within the curriculum: 1. Continuous and discrete mathematical models for the thermo-fluid dynamics of energy systems; fluid mechanics and related equations. Problems of acoustics and wave propagation in fluid and solid media using "analogous instruments". Metamaterials. The Dirac field in interaction. 2. Methods of development and analysis of discrete and continuous models for the simulation of systems. Numerical analysis tools and problems; development of simulators and simulator federations for complex systems. Definition of objectives, formalization, implementation solutions, integration, verification, validation, testing, accreditation and execution of real-time, fast-time and slow time models. 3. Physical-mathematical models with finite or infinite degrees of freedom, interaction field theory. Geometric and analysis techniques. Diffusion problems and resolution techniques. Environmental problems of public safety for the fight against terrorism. 4. Mechanics of solids. Numerical and control techniques. 5. Development of aggregate and operational programming systems, realized through finite capacity tools, with discrete event simulation techniques. Optimal state estimation for linear and nonlinear systems. 6. Development and application of artificial intelligence techniques. Supporting geometric methodologies for the development of simulators in virtual reality environments. Simulation applied to the logistics and transport sector for supply chain management for decision support. 7. Simulation applied to the military, tactical and strategic sector.
Information on references	In the admission application, candidates must indicate the name, qualification and place of employment of the contact persons chosen by them.
Foreign Languages	English
Further Information	For further information, please contact Prof. Patrizia Bagnerini: patrizia.bagnerini@unige.it

Course: ENGINEERING OF MODELS, MACHINE AND SYSTEMS FOR ENERGY, ENVIRONMENT AND TRANSPORT

Curriculum: MATHEMATICAL, STRATEGIC AND SIMULATION ENGINEERING (CODE 10506)

Course Coordinator: Daniele Simoni	
Department of Mechanical, Energetics, Management and Transport Engineering (Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti – DIME)	
Places: 2 – Grants: 2 (*)	
(*) 1 grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of Ospedale San Martino, under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500. Research project: Business Process Reengineering del Sistema Trasfusionale Ligure per i processi di produzione del plasma	
(*) 1 grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of di Space V, under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500. Research project: Study and development of an adaptive vertical greenhouse	
Comparative assessment procedure	<p>QUALIFICATIONS/PUBLICATIONS AND EXAM</p> <ul style="list-style-type: none"> - Evaluation of the scientific curriculum vitae - Evaluation of a relation describing the research program - Interview on the research activity planned to be carried out, also based on the skills and expertise highlighted into the curriculum vitae
Interview	23.07.2024, 10:00 am, in person at meeting room - sezione MASET of DIME
Research Themes	<p>Research project for grant within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f):</p> <ul style="list-style-type: none"> - Study and development of an adaptive vertical greenhouse - Business Process Reengineering del Sistema Trasfusionale Ligure per i processi di produzione del plasma
Information on references	<p>Candidates should present up to three reference letters from academic Professors or experts in the field. Reference Letters should be sent to:</p> <p>Prof.ssa Patrizia Bagnerini DIME Via Opera Pia 15 Genova patrizia.bagnerini@unige.it.</p>
Foreign Languages	English
Further Information	<p>Prof. Roberto Cianci patrizia.bagnerini@unige.it Prof. Daniele Simoni daniele.simoni@unige.it</p> <p>Further information about commitments and conditions of the grants funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) are available in the Notice of competition (article 6, paragraph 6)</p> <p>Months to be spent abroad: 0</p>

Course Coordinator: Berselli Giovanni	
Department of Mechanical, Energetics, Management and Transport Engineering (Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti – DIME)	
Places: 1 – Grants 1 (*)	
(*) 1 grant funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00	
Comparative assessment procedure	QUALIFICATIONS AND INTERVIEW
Interview	24.07.2024 10:00 am at the Department of Mechanical, Energy, Management and Transport Engineering (DIME), MEC section, via All'Opera Pia 15 / a, Genoa or online. The interview can take place on a motivated request also electronically (video conference via MsTeams) by contacting in time the resume contact person, Prof. Silvano Cincotti (silvano.cincotti@unige.it) and for information the coordinator of the doctorate Prof. Giovanni Berselli (giovanni.berselli@unige.it) specifying the candidate's name and surname and curriculum vitae to which it refers (EM)
Further information on how to present qualifications/publications	Further information on Qualifications/publications must contain a detailed explanation and the planning of the development of a possible research project concerning one of the syllabuses of the field Economy and Management Economics, Finance, Management (EM.1, EM.2, EM3), in order to evaluate the candidate's ability to organize and carry out research. If admitted to the doctoral course, the candidate will carry out his/her activity within the syllabus chosen for his/her project, but not necessarily on the specific activities described in the actual project submitted. The research project (min. 8,000 max. 16,000 strokes including spaces and punctuation) must comprise: - the research title; - field state of the art and relative bibliographic references; - objectives and expected results. In addition to the documentation that must be submitted by means of the online procedure, the following information, if present, will also be taken into consideration: - the title of the thesis dissertation of the Specialist/II level Degree/Master of Science/Master of Engineering together with a brief description (max. 4,000 strokes including spaces and punctuation); - a list of the exams done with the number of credits, marks and syllabuses (max 500 strokes including spaces and punctuation for each course); - any other qualifications/publications relevant to the application and scientific activity carried out; - a letter that states aptitude and motivations and the advancement expectations of the candidate submitting the application.
Exam Syllabus	The interview will focus on the discussion of the project, the qualifications presented by the candidate and on all the specific themes bound to the Economy and Management syllabus.
Research Themes	The curriculum in Economics and Management (EM) offers to candidates advanced training and preparation to conduct research at the intersection of economics, management and finance. The EM curriculum aims at developing professionals who are able to carry out, in these fields, advanced research in universities and international research institutions, manufacturing and service companies, credit and finance sectors, policy maker institutions, regulatory authorities and other public bodies. Research questions address fundamental and actual themes with emphasis on sustainability, resilience, responsibility, change and transformation in the society. The Ph.D. programme allows the candidate to develop a sound methodological background and multidisciplinary knowledge by developing qualitative, quantitative and computational approaches in economics, management and finance. Three main research Areas are addressed. EM1 Economics The Economics Area uses economic theory and models to study issues arising in the industrial, financial, innovation and business domains at both national and international level with the emphasis on quantitative methods for microeconomic, macroeconomic and policy effectiveness analysis. Research activities are conducted at multiple levels of analysis, including households, firms, sectors, banks, countries, policy makers and regulatory bodies. Specific attention is paid to the foundations of policy design and coordination, of economic decisions and of managerial processes. Theories and models are empirically based and are tested using multiple methodologies. Quantitative methods are used for the purposes of testing theories and of developing models for the study of economic systems and specific attention is dedicated to agent-based computational models and computational experiments on artificial economies. The goal is to determine the regularities and the emerging properties in economic systems and to evaluate the impacts of policy and regulatory measures as the result of the behaviors and of the interactions of heterogeneous

	<p>bounded-rational economic agents. The Economics Area develops skills that provide access to work opportunities in the credit and financial sectors, in governments and international organizations, and in academia.</p> <p>EM2 Finance</p> <p>The Finance Area pays a specific emphasis on preparing PhD students to become skilled and diligent researchers who bring a problem-solving perspective to the emerging challenges associated with finance. The research activities use computational econometrics, data mining and analytics, computational intelligence and machine learning, dynamic stochastic non-linear models of financial and economic data in a non-Gaussian environment and in the presence of extreme events. The objectives are to study and to model financial assets, to develop statistical algorithmic arbitrage strategies, to evaluate and mitigate systemic, systematic and operational risks in financial markets, to use quantitative methods for portfolio management and hedging solutions, to analyze technology's impact on asset pricing and behavioral finance. The Finance Area develops skills that provide access to work opportunities in financial industries, in the private and public sectors and in academic fields.</p> <p>EM 3 Management</p> <p>The Management Area focuses on the study of firms, financial institutions and Public Administrations from an innovation, knowledge management, strategic or organizational point of view. Particular emphasis is paid to the study of the complex interactions among strategy, management and technology and to the analysis of business processes both internal and external to firms, institutions and administrations. Attention is oriented towards understanding the change management processes required when introducing strategic, organizational, social or technological innovations with the goal of developing both innovative theoretical models and practical tools and methodologies to be applied and tested in real cases. The research topics are studied across industries and regions, also by comparing best practices and models developed in different countries. Research activities in this area are based on qualitative and quantitative methodologies, including case studies, action research, surveys, modelling and simulation. The Management Area develops skills that provide access to work opportunities in both private industries and Public Administrations, in national and international organizations, and in academia.</p>
Information on references	<p>Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the public notice, to the Coordinator Prof. Giovanni Berselli at the following address giovanni.berselli@unige.it and to the contact person for the curriculum EM, Prof. Silvano Cincotti, at silvano.cincotti@unige.it. The name, status and service place of the referees chosen by the candidates must be stated in their applications.</p>
Foreign Languages	English
Further Information	<p>Coordinator of the PhD IMEG course: Prof. Giovanni Berselli DIME/MEC via all'Opera Pia 15/A 16145 Genova (+39) 0103352839 giovanni.berselli@unige.it</p> <p>Contact person for the EM curriculum: Prof. Silvano Cincotti DIME/DOGE via all'Opera Pia 15 16145 Genova (+39) 0103352080 silvano.cincotti@unige.it</p>

Course: MECHANICAL, ENERGY AND MANAGEMENT ENGINEERING**Curriculum: TECHNICAL PHYSICS (CODE 10508)**

Course Coordinator: Berselli Giovanni	
Department of Mechanical, Energetics, Management and Transport Engineering (Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti – DIME)	
Places: 1 – Grants 1 (*)	
(*) 1 grant funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	24.07.2024 10:00 am at the Department of Mechanical, Energy, Management and Transport Engineering (DIME), MEC section, via All'Opera Pia 15 / a, Genoa or online. The interview can take place on a motivated request also electronically (video conference via MsTeams) by contacting in time the resume contact person, Prof. Marco Fosssa (marco.fossa@unige.it) and for information the coordinator of the doctorate Prof. Giovanni Berselli (giovanni.berselli@unige.it) specifying the candidate's name and surname and curriculum vitae to which it refers (FT)
Further information on how to present qualifications/publications	Further information on Qualifications/publications must contain a detailed explanation and the planning of the development of a possible research project concerning one of the syllabuses of the field Technical Physics (FT.1, FT.2, FT.3), in order to evaluate the candidate's ability to organize and carry out research. If admitted to the doctoral course, the candidate will carry out his/her activity within the syllabus chosen for his/her project, but not necessarily on the specific activities described in the actual project submitted.
Exam Syllabus	The interview will focus on the discussion of the project, the qualifications presented by the candidate and on all the specific themes bound to the Technical Physics curriculum (FT).
Research Themes	The FT syllabus – Technical Physics – of the IMEG Doctoral Course resumes the historical course of the Doctoral Courses in Technical Physics (first year of activation 1992). It's objective is to train young researchers capable of developing theoretical experimental research in the thermodynamic, thermofluid dynamic and transmission of heat sectors; of dealing with research in the energy sector, by means of a suitable methodological approach to the thermodynamic issue; of analysing thermal, acoustic and lighting phenomena which concur in defining both the conditions of environmental well-being, of environmental impact and consequent control possibilities. The FT curriculum develops research within the following fields: FT.1 Physics of buildings and environmental control - Components, heating and air-conditioning plants - Physics of buildings and environmental control - Lighting techniques and applied acoustics. The issues are developed according to the traditional approach of Environmental Technical Physics. FT.2 Energetics, Applied Thermofluid dynamics and refrigeration - Thermodynamic analysis of energy systems - Energy sources, vectors and rational consumption of energy - Environmental impact of energy systems - refrigeration and heat pump psystems - Single and multiphase thermofluid dynamics. Thermophysical properties of materials. Techniques to increase the efficiency of the energy processes and thermofluid dynamic exchange mechanisms. The thematics are developed according to the traditional approach of Industrial Technical Physics. FT.3 Nuclear Plants The thematics which characterise Nuclear Plants, within the limits of the available sources, are added to the first two fields, for the innovative application of the functioning principles of nuclear fission plants for the production of electricity and hydrogen and the solution to advanced thermohydraulic problems of the core of thermal and fast fission reactors.
Information on references	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the public notice, to the Coordinator Prof. Giovanni Berselli at the following address giovanni.berselli@unige.it and to the contact person for the curriculum FT, , Prof. Corrado Schenone (corrado.schenone@unige.it). The name, status and service place of the referees chosen by the candidates must be stated in their applications.

Foreign Languages	English
Further Information	<p>Coordinator of the PhD IMEG course: Prof. Giovanni Berselli DIME/MEC Via all'Opera Pia 15/A 16145 Genova (+39) 0103352839 giovanni.berselli@unige.it</p> <p>Contact person for the FT curriculum: Prof. Marco Fossa DIME/TEC Via all'Opera Pia 15/A 16145 Genova (+39) 0103352198 marco.fossa@unige.it</p>

Course: MECHANICAL, ENERGY AND MANAGEMENT ENGINEERING**Curriculum: MECHANICS, MEASUREMENTS AND MATERIALS (CODE 10509)**

Course Coordinator: Berselli Giovanni	
Department of Mechanical, Energetics, Management and Transport Engineering (Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti – DIME)	
Places: 4 – Grants: 4 (*)	
(*) 1 grant funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00	
(*) 1 grant funded by IIT, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00.	
(*) 1 grant funded within D.M. 629 dated 24.4.2024 (Pubblica Amministrazione), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €17.500,00 (CUP D32B24000450006)	
(*) 1 grant funded within D.M. 630 dated 24.4.2024 (cofunded by Ansaldo Spa), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €17.500,00 (CUP D32B24000710008)	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	24.07.2024 10:00 am at the Department of Mechanical, Energy, Management and Transport Engineering (DIME), MEC section, via All'Opera Pia 15 / a, Genoa or online. The interview can take place on a motivated request also electronically (video conference via MsTeams) by contacting in time the resume contact person & coordinator of the doctorate Prof. Giovanni Berselli (giovanni.berselli@unige.it) specifying the candidate's name and surname and curriculum vitae to which it refers (MMM)
Further information on how to present qualifications/publications	The qualifications/publications must contain a detailed explanation and the development plan of how to present a possible research project, quoting the Robotics and Mechatronics (RM) syllabus, and the field qualifications/publications it refers to, in order to evaluate the candidate's ability to organize and carry out research. If admitted to the doctoral course, the candidate will generally carry out his/her activity within the syllabus chosen for his/her project, but not necessarily on the specific activities described and planned in the actual project.
Exam Syllabus	The interview will focus on the discussion of the project, the qualifications presented by the candidate and on all the specific themes bound to the Mechanics, Measurements And Materials curriculum (MMM).
Research Themes	The Mechanics, Measurements and Materials (MMM) syllabus focuses on research themestypical of the Macrosectors it refers to. In particular the research themes suggested concern the functional and constructive design sector, CAD, CAE, PLM, PDM, additive manufacturing (polymer-based metals and composites (machine and material methods in combination), the mechanic behaviour of materials, materials and implants for medical, industrial and marin applications, calculus modelling and applications of composite components also for orthotics and biomedical applications, environmental compatibility and recycling, mechanical and mechatronic systems, motor vehicles, railway vehicles, airplanes, mechanical automation, working, raising and transport systems, lubrication, vibrations and noise, sound quality, experimental methods, diagnostics and qualifying of machines and components, monitoring and maintenance, reliability, reverse logistics. Characteristics of scholarships funded by external bodies: -Scholarship title for IIT: Advanced mechatronics for soft robotic lower limb exoskeleton device, within the project FeatherEXO - presso Rehab technologies Lab (IIT). -Scholarship title for DM629: New flexible robotic instruments for microsurgery, in collaboration with the "Carlo Besta" Neurological Institute. - scholarship title for DM630/Ansaldo: Development of experimental and numerical techniques for the analysis and monitoring of turbomachinery.
Information on references	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the public notice, to the Coordinator Prof. Giovanni Berselli, at giovanni.berselli@unige.it . The name, status and service place of the referees chosen by the candidates must be stated in their applications.
Foreign Languages	English

Further Information	Coordinator of the PhD IMEG course: Prof. Giovanni Berselli DIME/MEC via all'Opera Pia 15/A 16145 Genova (+39) 0103352839 giovanni.berselli@unige.it
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Course: MECHANICAL, ENERGY AND MANAGEMENT ENGINEERING**Curriculum: MECHANICS, MEASUREMENTS AND MATERIALS (CODE 10510)**

Course Coordinator: Berselli Giovanni	
Department of Mechanical, Energetics, Management and Transport Engineering (Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti – DIME)	
Places: 2 – Grants: 2 (*)	
(*) 1 grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of Green Project srl., under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €17.500,00. Research project: Analysis and development of robotic manipulators for the steel industry.	
(*) 1 grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of Leonardo Spa., under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €17.500,00. Research project: Robust and efficient robotic platforms for versatile applications	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND EXAM <ul style="list-style-type: none"> • Assessment of qualifications/publications and the curriculum vitae et studiorum • Written test (research project) • Interview that includes the description of the candidate's research area of interest, also on the basis of previous activities stated in his/her scientific professional curriculum
Interview	24.07.2024 10:00 am at the Department of Mechanical, Energy, Management and Transport Engineering (DIME), MEC section, via All'Opera Pia 15 / a, Genoa or online. The interview can take place on a motivated request also electronically (video conference via MsTeams) by contacting in time the resume contact person & coordinator of the doctorate Prof. Giovanni Berselli (giovanni.berselli@unige.it) specifying the candidate's name and surname and curriculum vitae to which it refers (MMM)
Further information on how to present qualifications/publications	The qualifications/publications must contain a detailed explanation and the development plan of how to present a possible research project, quoting the Robotics and Mechatronics (RM) syllabus, and the field qualifications/publications it refers to, in order to evaluate the candidate's ability to organize and carry out research. If admitted to the doctoral course, the candidate will generally carry out his/her activity within the syllabus chosen for his/her project, but not necessarily on the specific activities described and planned in the actual project.
Exam Syllabus	The interview will focus on the discussion of the project, the qualifications presented by the candidate and on all the specific themes bound to the Mechanics, Measurements And Materials curriculum (MMM).
Research Themes	Research project for grant within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) : <ol style="list-style-type: none"> 1. Analysis and development of robotic manipulators for the steel industry 2. Robust and efficient robotic platforms for versatile applications
Information on references	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the public notice, to the Coordinator Prof. Giovanni Berselli, at giovanni.berselli@unige.it . The name, status and service place of the referees chosen by the candidates must be stated in their applications.
Foreign Languages	English
Further Information	Coordinator of the PhD IMEG course: Prof. Giovanni Berselli DIME/MEC via all'Opera Pia 15/A 16145 Genova (+39) 0103352839 giovanni.berselli@unige.it Further information about commitments and conditions of the grants funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) are available in the Notice of

	competition (article 6, paragraph 6)
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	Months to be spent abroad: 6
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Course: MECHANICAL, ENERGY AND MANAGEMENT ENGINEERING**Curriculum: ROBOTICS AND MECHATRONICS (CODE 10511)**

Course Coordinator: Berselli Giovanni	
Department of Mechanical, Energetics, Management and Transport Engineering (Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti – DIME)	
Places: 2 – Grants: 2 (*)	
(*) 1 grant cofunded by MUR/Department (DIME), the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00. (*) 1 grant funded within D.M. 630 dated 24.4.2024 (cofunded by EPF Elettrotecnica S.r.l.), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €17.500,00 (CUP D32B24000710008)	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	24.07.2024 - 10:00 am at the Department of Mechanical, Energy, Management and Transport Engineering (DIME), MEC section, via All'Opera Pia 15 / a, Genoa. The interview can take place on a motivated request also electronically (video conference via MsTeams) by contacting in time the resume contact person, Prof. Matteo Zoppi (matteo.zoppi@unige.it) and for information the coordinator of the doctorate Prof. Giovanni Berselli (giovanni.berselli@unige.it) specifying the candidate's name and surname and curriculum vitae to which it refers (RM)
Further information on how to present qualifications/publications	The qualifications/publications must contain a detailed explanation and the development plan of how to present a possible research project, quoting the Robotics and Mechatronics (RM) syllabus, and the field qualifications/publications it refers to, in order to evaluate the candidate's ability to organize and carry out research. If admitted to the doctoral course, the candidate will generally carry out his/her activity within the syllabus chosen for his/her project, but not necessarily on the specific activities described and planned in the actual project.
Exam Syllabus	The interview will focus on the discussion of the project, the qualifications presented by the candidate and on all the specific themes bound to the Robotics and Mechatronics curriculum (RM).
Research Themes	The Robotics and Mechatronics (RM) syllabus focuses on research themes typical of the Macrosectors it refers to. In particular the research themes suggested concern the development of robot and manipulation, switch systems, home automation (domotics), remote manipulation, modular robots and robots for safety, intelligent mini-vehicles, assembly systems, fluid automation; models and simulation of systems for robotics and mechatronics, man-machine interaction, collaborative robotics, cooperative robotics, robot programming, integration of robotic systems, mechatronics for the automatic machine sectors and for the mechanical and marine mechanical industry. Characteristics of scholarships funded by external bodies: - Scholarship title for DM630/EPF Elettrotecnica: creation of a DIGITAL TWIN for a robotic island with on-board artificial vision that allows digital analysis and simulations to work more effectively on complex systems, even before building them.
Information on references	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the public notice, to the Coordinator Prof. Luca A. Tagliafico at the following address tgl@dittec.unige.it and to the contact person for the curriculum RM, Prof. Matteo Zoppi, at matteo.zoppi@unige.it The name, status and service place of the referees chosen by the candidates must be stated in their applications.
Foreign Languages	English
Further Information	Coordinator of the PhD IMEG course: Prof. Giovanni Berselli DIME/MEC via all'Opera Pia 15/A 16145 Genova (+39) 0103352839 giovanni.berselli@unige.it Contact person for the RM curriculum: Prof. Matteo Zoppi DIME/MEC via all'Opera Pia 15/A 16145 Genova (+39) 0103352964 matteo.zoppi@unige.it

Course: MECHANICAL, ENERGY AND MANAGEMENT ENGINEERING**Curriculum: TECHNOLOGIES AND PLANTS (CODE 10512)**

Course Coordinator: Berselli Giovanni	
Department of Mechanical, Energetics, Management and Transport Engineering (Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti – DIME)	
Places: 1 – Grants: 1 (*)	
(*) 1 grant funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	24.07.2024 - 10:00 am at the Department of Mechanical, Energy, Management and Transport Engineering (DIME), MEC section, via All'Opera Pia 15 / a, Genoa. The interview can take place on a motivated request also electronically (video conference via MsTeams) by contacting in time the resume contact person, Prof. Enrico Lertora (enrico.lertora@unige.it) and for information the coordinator of the doctorate Prof. Giovanni Berselli (giovanni.berselli@unige.it) specifying the candidate's name and surname and curriculum vitae to which it refers (TI)
Further information on how to present qualifications/publications	The qualifications/publications must contain a detailed explanation and the development plan of how to present a possible research project, quoting the Technologies and Plants (TP) syllabus, and the field (TP.1 or TP.2) it refers to, in order to evaluate the candidate's ability to organize and carry out research. If admitted to the doctoral course, the candidate will generally carry out his/her activity within the syllabus chosen for his/her project, but not necessarily on the specific activities described in the actual project.
Exam Syllabus	The interview will focus on the discussion of the project, the qualifications presented by the candidate and on all the specific themes bound to the Technology and Plants curriculum (TP)
Research Themes	The Technologies and Plants (TP) syllabus focuses on research themes typical of the macro-sectors it refers to. It is organized into two specializations: TP.1 Processing Technologies and Systems Specialization: -Analysis of the variables that influence the mechanical and micro-structural characteristics of welded joints implemented with traditional and innovative techniques. -Study of the potential of robotic welding plants. -Singling out of solutions that allow the obtaining of glued joints with adequate characteristics (study of the surface preparation methods, analysis of the behaviour of adhesives in different environmental conditions). -Study of the problems concerning the fine-tuning and monitoring of the processing of metallic and non-metallic materials. -Study and singling out of construction techniques of moulds for polymeric materials. -Surface analysis and fine-tuning of techniques to obtain the desired degree of finishing and chemical reactivity. TP.2 Industrial Plants Specialization: -Design and management of production processes. -Technical and economic assessments of Engineering and industrialization of new products and production cycles. -Industrial sustainability, quality, safety, remanufacturing, demanufacturing. -Manufacturing strategies: Lean Manufacturing, World Class Manufacturing, Agile Manufacturing. -Industrial logistics. -Life Cycle Assessment of plants and processes. -Key enabling technology 4.0 for production and industrial plants: simulation, IoT, augmented and virtual realities, manufacturing analytics. The activities that will be carried out within the doctoral course aim at training young researchers to be capable of developing theoretical and experimental research starting from the analysis of the state of the art and autonomously developing innovative solutions.
Information on references	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the public notice, to the Coordinator Prof. Giovanni Berselli at the following address giovanni.berselli@unige.it and to the contact person for the curriculum TP, Prof. Enrico Lertora, at enrico.lertora@unige.it The name, status and service place of the referees chosen by the candidates must be stated in their applications.
Foreign Languages	English

Further Information	<p>Coordinator of the PhD IMEG course: Prof. Giovanni Berselli DIME/MEC via all'Opera Pia 15/A 16145 Genova (+39) 0103352839 giovanni.berselli@unige.it</p> <p>Contact person for the Technology and Plants - TP curriculum: Prof. Enrico Lertora DIME/ITIMAT via all'Opera Pia 15 16145 Genova (+39) 0103352964 enrico.lertora@unige.it</p>
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Course Coordinator: Berselli Giovanni	
Department of Mechanical, Energetics, Management and Transport Engineering (Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti – DIME)	
Places: 1 – Grants: 1 (*)	
(*) 1 grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of MyWai srl., under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €17.500,00. Research project: Cyberphysical Persistent & Responsive Equipment for the Industrial Metaverse	
Comparative assessment procedure	<p>QUALIFICATIONS/PUBLICATIONS AND EXAM</p> <ul style="list-style-type: none"> • Assessment of qualifications/publications and the curriculum vitae et studiorum • Written test (research project) • Interview that includes the description of the candidate's research area of interest, also on the basis of previous activities stated in his/her scientific professional curriculum
Interview	<p>24.07.2024 - 10:00 am at the Department of Mechanical, Energy, Management and Transport Engineering (DIME), MEC section, via All'Opera Pia 15 / a, Genoa.</p> <p>The interview can take place on a motivated request also electronically (video conference via MsTeams) by contacting in time the resume contact person, Prof. Enrico Lertora (enrico.lertora@unige.it) and for information the coordinator of the doctorate Prof. Giovanni Berselli (giovanni.berselli@unige.it) specifying the candidate's name and surname and curriculum vitae to which it refers (TI)</p>
Further information on how to present qualifications/publications	<p>The qualifications/publications must contain a detailed explanation and the development plan of how to present a possible research project, quoting the Technologies and Plants (TP) syllabus, and the field (TP.1 or TP.2) it refers to, in order to evaluate the candidate's ability to organize and carry out research.</p> <p>If admitted to the doctoral course, the candidate will generally carry out his/her activity within the syllabus chosen for his/her project, but not necessarily on the specific activities described in the actual project.</p>
Exam Syllabus	<p>The interview will focus on the discussion of the project, the qualifications presented by the candidate and on all the specific themes bound to the Technology and Plants curriculum (TP)</p>
Research Themes	<p>Research project for grant within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f):</p> <p>1. Cyberphysical Persistent & Responsive Equipment for the Industrial Metaverse</p> <p>Research topics for the scholarship: Denominazione borsa: Cyberphysical Persistent & Responsive Equipment for the Industrial Metaverse</p> <p>The thesis will develop parts of a new patented technology called The CYPREME™ (CYberphysical Persistent & Responsive Equipment for the Productive Metaverse, UIB patent nr 782023000201540 submitted by KNOWHEDGE on 7/12/2023) proposed by KNOWHEDGE™ and MYWAI™, two innovative Italian SMEs, aimed at international manufacturers of machine tools and robotics, offering them the possibility to develop open and interoperable digital twins for industrial machinery. CYPREME™ technology promises an unprecedented paradigm shift in the interoperability of Cyber Physical Equipment (CPE). This PhD dissertation opportunity invites mechanical engineering enthusiasts to explore the intersection of cutting-edge technologies within industrial machinery and immersive 3D models. The proposed research integrates open interoperability models for physical machines, exemplified by the OPC UA Machine Tools Companion Specs (https://opcfoundation.org/developer-tools/documents/view/215), and their virtual counterparts, leveraging the Khronos Group Graphic Language Transmission Format (https://www.khronos.org/glTF/). In addition, it introduces new distributed ledger (DLT) technologies, most notably IOTA, for the implementation of non-fungible tokens (NFTs) and digital identity (DIDs). The overall goal is to forge a new class of Cyber Physical Equipment, which transcends current digital twin capabilities and reconfiguration needs, establishing unprecedented levels of PERSISTENCE and RESPONSIVENESS. This research seeks to bridge the gap between real-world tangible machinery and sensors and the limitless possibilities of the Industrial Metaverse.</p>
Information on references	<p>Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the public notice, to the</p>

	<p>Coordinator Prof. Giovanni Berselli at the following address giovanni.berselli@unige.it and to the contact person for the curriculum TP, Prof. Enrico Lertora, at enrico.lertora@unige.it</p> <p>The name, status and service place of the referees chosen by the candidates must be stated in their applications.</p>
Foreign Languages	English
Further Information	<p>Coordinator of the PhD IMEG course: Prof. Giovanni Berselli DIME/MEC via all'Opera Pia 15/A 16145 Genova (+39) 0103352839 giovanni.berselli@unige.it</p> <p>Contact person for the Technology and Plants - TP curriculum: Prof. Enrico Lertora DIME/ITIMAT via all'Opera Pia 15 16145 Genova (+39) 0103352964 enrico.lertora@unige.it</p> <p>Further information about commitments and conditions of the grants funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) are available in the Notice of competition (article 6, paragraph 6)</p> <p>Months to be spent abroad: 6</p>

Course: JOINT DOCTORATE IN INTERACTIVE AND COGNITIVE ENVIRONMENTS (JD ICE)
Doctoral Course in agreement with the Queen Mary University of London and the Universidad Carlos III de Madrid

Curriculum: INTERACTIVE AND COGNITIVE ENVIRONMENTS (CODE 10514)

Course Coordinator: Regazzoni Carlo	
Department of Electrical, Electronics and Telecommunication Engineering and Naval Architecture (Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni – DITEN)	
Places: 3 – Grants: 3 (*)	
(*) 2 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00 (*) 1 grant funded within D.M. 630 dated 24.4.2024 (co-funded by Leonardo Sistemi Integrati srl), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00 (CUP D32B24000770008)	
At the end of the course a joint qualification will be awarded with the Queen Mary University of London within the collaboration agreement signed on 27.11.2023	
Comparative assesment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	23.07.2024 at 9.30 at the Department of Electrical, Electronic, Telecommunications Engineering and Naval Architecture (DITEN), University of Gena, Via Opera Pia 11A - 16145 Genoa, Italy or online The interviews may also take place electronically via Skype connection with video for identity verification, upon request to the Coordinator of the Research Doctorate, Prof. Carlo Regazzoni, by email at carlo.regazzoni@unige.it and at lucio.marcenaro@unige.it addresses, inserting your skype ID in the request. During the interview, the candidate must demonstrate his knowledge of the English language. In order to take the interview, the candidate must show the same identity document attached to the application for admission, he may also show another valid identity document where it is clearly identifiable.
Further information on how to present qualifications/publications	The application form must contain: a) curriculum vitae et studiorum correctly dated and signed. The CV must include all relevant information regarding the research doctorate topics for which the candidate is applying. This information should highlight: the title of the master's degree thesis and a brief description of the same, a list of exams taken and relative marks of previous research and / or work experience, any other qualifications obtained, certifications, publications, patents, etc. ; b) degree certificate (three-year and master's). Candidates who have not obtained their degree in Italy or in the United Kingdom will have to present the certificate of attestation of the title translated into English and a declaration of value. c) a presentation of the institution that issued the title, containing a description of the selection methods, the international and national ranking, types of qualifications issued, teaching languages, website (etc.) (max. 15 lines); d) if the candidate is not a native English speaker, he/she must present a certificate of attestation of knowledge of the English language (IELTS with a minimum mark equal to: 6.5) obtained in the last three years from the submission of the application) e) a signed motivation letter containing the research project chosen and the reasons for the choice (max 10 pages) It is important to highlight in the presentation of the research project since the following aspects will be used as evaluation parameters: Relevance to the research themes that appear in the call, Originality, Methods of execution, Feasibility, and Clarity of exposure. A possible scheme for the presentation of the research project, which must not exceed 10 pages, is the following: - Motivations and logical foundation - State of art - Targets - Methodology used - Preliminary workplan - Expected results - Bibliography

Exam Syllabus	<p>The interview includes an illustration of the research activities of interest of the candidate, also in consideration of the previous research activities included in the candidate's curriculum vitae et studiorum.</p> <p>During the interview, the examining commission will evaluate the candidate's competences about specific research topics.</p> <p>During the interview, the candidate must demonstrate his knowledge of the English language. To take the interview, the candidate must show the same identity document attached to the application for admission, he may also show another valid identity document where it is clearly identifiable.</p> <p>The interviews may also take place electronically via Skype connection with video for identity verification, upon request to the Coordinator of the Research Doctorate, Prof. Carlo Regazzoni, by e-mail at carlo.regazzoni@unige.it and at lucio.marcenaro@unige.it addresses, inserting your skype ID in the request.</p>
Research Themes	<ol style="list-style-type: none"> 1. Hardware-Software architectures for TinyML signal processing 2. Generative Models and Deep Reinforcement Learning Applications 3. Novel inversion techniques for electromagnetic imaging and antenna diagnostics 4. Neuromorphic circuits and systems for Human Machine Interfaces 5. Active inference in multisensor autonomous agents: building perception, decision-making, and action models from experience 6. Embodied cognition and self-aware semantic communication for intelligently connected networks of things 7. Probabilistic graphical models and machine learning methods for remote sensing image analysis 8. Edge Computing solutions for Aerial/Satellite networks 9. Secure and Sustainable AiOps in 6G networks 10. Fully-synthesizable and regulatorless integrated sensor nodes for IC for biomedical applications 11. Environmental monitoring of territories at hydrogeological risk through distributed and interconnected intelligence systems applied to sensor networks based on commercial microwave links 12. Analysis of heterogeneous multisensory signals for the development of data-driven predictive models (this theme is related to the grant funded within D.M. 630 dated 24.4.2024 - co-funded by Leonardo Sistemi Integrati srl)
Information on references	<p>Candidates must choose not less than one and not more than three referees to support the application. These contacts must be university professors or experts in the subject. It must be the referents' responsibility to send the reference letters, within the deadline of the call, to the Coordinator of the PhD course at the following addresses: carlo.regazzoni@unige.it; lucio.marcenaro@unige.it</p> <p>In the application for admission, candidates must indicate the name, qualification and place of employment of the contact persons they have chosen.</p> <p>The candidate's aptitude for scientific research must clearly show from the content of the reference letters</p>
Foreign Languages	English
Further Information	<p>The Doctoral course in Interactive and Cognitive Environment is a JOINT Doctorate and is organized and coordinated - as stipulated in the agreement "COLLABORATION AGREEMENT BETWEEN QUEEN MARY UNIVERSITY OF LONDON AND UNIVERSITY OF GENOA STUDIES". The agreement provides for a joint model of coordination of the doctorate, supervision and mobility of candidates. In accordance with the above, each supervising candidate will be assigned two supervisors, one for each partner university. Candidates who participate in the announcement announced by UNIGE and will be winners, and who will therefore have UNIGE as their Primary Institution, will be assigned a UNIGE professor as Primary Supervisor and a QMUL professor as Secondary Supervisor. Upon completion of the doctorate, a JOINT degree signed by both Partner Universities will be issued to those who successfully pass the final defense.</p> <p>More information on: http://phd-jdice.diten.unige.it/</p>

Course: JOINT DOCTORATE IN INTERACTIVE AND COGNITIVE ENVIRONMENTS (JD ICE)

Doctoral Course in agreement with the Queen Mary University of London and the Universidad Carlos III de Madrid

Curriculum: SELF-AWARE AUTONOMOUS SYSTEMS (CODE 10515)

Course Coordinator: Regazzoni Carlo	
Department of Electrical, Electronics and Telecommunication Engineering and Naval Architecture (Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni – DITEN)	
Places: 2 – Grants: 2 (*)	
(*) 1 grant funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00 (*) 1 grant funded within D.M. 630 dated 24.4.2024 (co-funded by I-AM srl), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00 (CUP D32B24000770008)	
As part of the agreement with the Universidad Carlos III de Madrid (UC3M) signed on 19.4.2022, a cotutelle can be activated for the issue of the joint degree between the two universities. The application details will be published at http://phd-jdice.diten.unige.it/ .	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	23.07.2024 at 9.30 at the Department of Electrical, Electronic, Telecommunications Engineering and Naval Architecture (DITEN), University of Gena, Via Opera Pia 11A - 16145 Genoa, Italy, or online. The interviews may also take place electronically via Skype connection with video for identity verification, upon request to the Coordinator of the Research Doctorate, Prof. Carlo Regazzoni, by email at carlo.regazzoni@unige.it and at lucio.marcenaro@unige.it address, inserting your skype ID in the request. During the interview, the candidate must demonstrate his knowledge of the English language. In order to take the interview, the candidate must show the same identity document attached to the application for admission, he may also show another valid identity document where it is clearly identifiable.
Further information on how to present qualifications/publications	The application form must contain: a) curriculum vitae et studiorum correctly dated and signed. The CV must include all relevant information regarding the research doctorate topics for which the candidate is applying. This information should highlight: the title of the master's degree thesis and a brief description of the same, a list of exams taken and relative marks of previous research and / or work experience, any other qualifications obtained, certifications, publications, patents, etc.; b) degree certificate (three-year and master's). Candidates who have not obtained their degree in Italy or in the United Kingdom will have to present the certificate of attestation of the title translated into English and a declaration of value. c) a presentation of the institution that issued the title, containing a description of the selection methods, the international and national ranking, types of qualifications issued, teaching languages, website (etc.) (max. 15 lines); d) a signed motivation letter containing the research project chosen and the reasons for the choice (max 10 pages) It is important to highlight in the presentation of the research project since the following aspects will be used as evaluation parameters: Relevance to the research themes that appear in the call, Originality, Methods of execution, Feasibility, and Clarity of exposure. A possible scheme for the presentation of the research project, which must not exceed 10 pages, is the following: - Motivations and logical foundation - State of art - Targets - Methodology used - Preliminary workplan - Expected results - Bibliography
Exam Syllabus	The interview includes an illustration of the research activities of interest of the candidate, also in consideration of the previous research activities included in the candidate's curriculum vitae et studiorum. During the interview, the examining committee will evaluate the candidate's competencies in specific research topics. During the interview, the candidate must demonstrate his knowledge of the English language. To take the interview, the candidate must show the same identity document attached to the application for admission, he may also show another valid identity document where it is clearly identifiable.

	The interviews may also take place electronically via Skype connection with video for identity verification, upon request to the Coordinator of the Research Doctorate, Prof. Carlo Regazzoni, by e-mail at carlo.regazzoni@unige.it and at lucio.marcenaro@unige.it address, inserting your skype ID in the request.
Research Themes	<ol style="list-style-type: none"> 1. Hardware-Software architectures for TinyML signal processing 2. Generative Models and Deep Reinforcement Learning Applications 3. Novel inversion techniques for electromagnetic imaging and antenna diagnostics 4. Neuromorphic circuits and systems for Human Machine Interfaces 5. Active inference in multisensor autonomous agents: building perception, decision-making, and action models from experience 6. Embodied cognition and self-aware semantic communication for intelligently connected networks of things 7. Probabilistic graphical models and machine learning methods for remote sensing image analysis 8. Edge Computing solutions for Aerial/Satellite networks 9. Secure and Sustainable AiOps in 6G networks 10. Fully-synthesizable and regulatorless integrated sensor nodes for IC for biomedical applications 11. Environmental monitoring of territories at hydrogeological risk through distributed and interconnected intelligence systems applied to sensor networks based on commercial microwave links 12. Self-aware federated autonomous agents for anomaly detection and predictive maintenance (this theme is related to the grant funded within D.M. 630 dated 24.4.2024 - co-funded by I-AM srl)
Information on references	<p>Candidates must choose not less than one and not more than three referees to support the application. These contacts must be university professors or experts in the subject. It must be the referents' responsibility to send the reference letters, within the deadline of the call, to the Coordinator of the PhD course at the following addresses: carlo.regazzoni@unige.it; lucio.marcenaro@unige.it</p> <p>In the application for admission, candidates must indicate the name, qualification, and place of employment of the contact persons they have chosen.</p> <p>The candidate's aptitude for scientific research must be clearly shown from the content of the reference letters.</p>
Foreign Languages	English
Further Information	<p>The PhD course in Self-aware autonomous systems belongs is a JOINT Doctorate and is organized and coordinated - as stipulated in the agreement "COLLABORATION AGREEMENT BETWEEN UNIVERSIDAD CARLOS III DE MADRID AND UNIVERSITY OF GENOA". The agreement provides for a joint model of coordination of the doctorate, supervision, and mobility of candidates. In accordance with the above, each supervising candidate will be assigned two supervisors, one for each partner university. Candidates who participate in the announcement announced by UNIGE and will be winners, and who therefore will have UNIGE as their Primary Institution, will be assigned a UNIGE professor as Primary Supervisor and a UC3M professor as Secondary Supervisor. Upon completion of the doctorate, a JOINT degree signed by both Partner Universities will be issued to those who successfully pass the final defense.</p> <p>More information on: http://phd-jdice.diten.unige.it/</p>

Course: MODERN AND CLASSICAL LITERATURES AND CULTURES**Curriculum: ITALIAN STUDIES, TEXTUAL AND PERFORMATIVE SCIENCES (CODE 10516)**

Course Coordinator: Bonafin Massimo	
Department of Italian and Romance Languages, Classical Studies, The Arts and Performing Arts (Dipartimento di Italianistica, Romanistica, Antichistica, Arti e Spettacolo – DIRAAS)	
Places: 2 – Grants: 2	
(*) 2 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	25/07/2024 – h 9.00. Interview in presence; more specific instructions about the place of the interview will be sent to all interviewees.
Further information on how to present qualifications/publications	Together with all other required documentation, candidates are expected to upload onto the application website one file including the title, contents and bibliography of their MA dissertation, as well as a synopsis or extract (introduction/conclusion, or one significant chapter) of the dissertation (max. 8.000 words). Likewise, they will have to upload their publications, and their research project, inclusive of state of the art, bibliography, and expected results (max. 1.700 words).
Topic of the interview	Discussion of the research project.
Research Themes	<ul style="list-style-type: none"> - Comparative Literature and Literary Theory - Reconstructive Philology And Authorial Philology Applied To Italian Literary Texts - Italian Literature and Dramatic Literature: Texts, Authors And Critical Problems From The Thirteenth To The Twentieth Century - History of the Italian Language: Stylistics, Lexicography, Literary Diction, Language Of Use, Languages For Special Purposes. - History Of Theatre From The Early Modern Age To The Present: Archival Sources, Production Frameworks And Staging Practices - History Of The Cinema And Film Analysis Methodologies: Archival Sources, Media Cultures, Productive Contexts - Musical Theatre, Sacred Music And The Relationship Between Music And Literature From The Eighteenth Century To The Present - Themes, Motifs and Figures of Romance Medieval Fiction
Information on references	Min. 1-Max. 3 reference letters by university lecturers or other experts are required. In the online application form applicants will have to state their referees' names, qualifications, and university affiliations. Referees are expected to use the reference template to be downloaded from the Ph.D. programme website https://lccm.dottorato.unige.it/ammissione and send their reference letters to mberisso@unige.it , by the deadline of the call.
Foreign Languages	During the interview candidates will be asked to translate a passage of critical literature (either English or French) concerning the above-listed research themes.
Further Information	Only a limited number of applicants will be admitted to the interview. Admission will be based on CV, MA dissertation, published works (if any) and research project. The list of those admitted will be posted to the Admission section of our site: https://lccm.dottorato.unige.it/ by 22/07/2024 at 12.00.

Course: MODERN AND CLASSICAL LITERATURES AND CULTURES**Curriculum: MODERN LITERATURES (CODE 10517)**

Course Coordinator: Bonafin Massimo	
Department of Italian and Romance Languages, Classical Studies, The Arts and Performing Arts (Dipartimento di Italianistica, Romanistica, Antichistica, Arti e Spettacolo – DIRAAS)	
Places: 2– Grants: 2 (*)	
(*) 2 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	23/07/2024 – h 10.00 remotely via MS Teams; more specific instructions will be sent to all interviewees.
Further information on how to present qualifications/publications	Together with all other required documentation, candidates are expected to upload onto the application website one file including the title, contents and bibliography of their MA dissertation, as well as a synopsis or extract (introduction/conclusion, or one significant chapter) of the dissertation (max. 8.000 words). Likewise, they will have to upload their publications, and their research project, inclusive of state of the art, bibliography, and expected results (max. 1.700 words).
Topics of the interview	Interview: discussion of the research project and of the CV.
Research Themes	Our Ph. D. programme can offer competent supervision to research projects on a variety of authors, themes, genres and works of French, English and Anglo-American, Nordic, Polish, Portuguese and Brazilian, Russian, Spanish and Latin American, German literatures. It especially welcomes projects relating to the research interests of its academic staff and their colleagues of the Department of Modern Languages and Cultures. For a detailed list of their fields of research see https://lccm.dottorato.unige.it/ammissione
Information on references	Min. 1-Max. 3 reference letters by university lecturers or other experts are required. In the online application form applicants will have to state their referees' names, qualifications, and university affiliations. Referees are expected to use the reference template to be downloaded from the Ph.D. programme website https://lccm.dottorato.unige.it/ammissione and send their reference letters to Prof. Luisa Villa (luisa.villa@unige.it) by the deadline of the call.
Foreign Languages	The candidate's knowledge of the foreign language/languages directly involved in his/her research project will be tested during the interview. An advanced level in at least one foreign language and a working knowledge of a second foreign language (chosen among French, English, Polish, Portuguese, Russian, Spanish, Swedish, Norwegian, Danish, German) are required. Applicants whose mother tongue is not Italian will also have to demonstrate their knowledge of the Italian language, which is necessary for a fruitful participation in the didactic activities.
Further Information	Only a limited number of applicants will be admitted to the interview. Admission will be based on CV, MA dissertation, published works (if any) and research project. The list of those admitted will be posted to the admission section of our website (https://lccm.dottorato.unige.it/ammissione) by 20/07/2024 – h 10.00.

Course: MODERN AND CLASSICAL LITERATURES AND CULTURES

Curriculum: ANCIENT STUDIES: ARCHAEOLOGY, PHILOLOGY, HISTORY (CODE 10518)

Course Coordinator: Bonafin Massimo	
Department of Italian and Romance Languages, Classical Studies, The Arts and Performing Arts (Dipartimento di Italianistica, Romanistica, Antichistica, Arti e Spettacolo – DIRAAS)	
Places: 4 (°) – Grants: 2 (*)	
(*) 2 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (°) 2 positions reserved for Past in Progress S.R.L. employees	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	25.07.2024 h. 09.00 a.m. The interview will be held on TEAMS remote platform. Instructions will be sent to all interviewees.
Further information on how to present qualifications/publications	Together with all other required documentation, candidates are expected to upload onto the application website one file including the title, contents and bibliography of their MA dissertation, as well as a synopsis or extract (introduction/conclusion, or one significant chapter) of the dissertation (max. 8.000 words). Likewise, they will have to upload their publications, and their research project, inclusive of state of the art, bibliography, and expected results (max. 1.700 words).
Exam Syllabus	The interview will include a discussion of the research proposal. Depending on the project presented and the scientific-disciplinary field most relevant to it, candidates will be asked to demonstrate, through a specific test, that they possess basic disciplinary knowledge appropriate to carrying out their research. The interview will also examine the candidates' language proficiency (see Foreign Languages).
Research Themes	Our Ph. D. programme can offer competent supervision to research projects on a variety of authors, texts, genres, and themes pertaining to the following scientific areas: Greek, Latin, and Byzantine philology and literature, Greek and Roman history, papyrology, epigraphy, Aegean prehistory and protohistory, methods of archaeological research. It especially welcomes projects relating to the research interests of its academic staff and their colleagues of the Department DAFIST and DIRAAS. For a detailed list of their fields of research see https://lccm.dottorato.unige.it/ammissione - Landscape archaeology in the <i>ager Volaterranus</i> : the territory of Rosignano Marittimo (LI) in the age of Romanisation. - Landscape archaeology in the <i>ager Volaterranus</i> : the territory of Rosignano Marittimo (LI) in the Imperial age. (projects linked to 2 doctoral positions within the industrial Ph.D. partnership with Past in Progress s.r.l.s.).
Information on references	Min. 1-Max. 3 reference letters by University lecturers or other experts are required. In the online application form applicants will have to state their referees' names, qualifications, and University affiliations. Referees are expected to use the reference template to be downloaded from the Ph.D. programme website https://lccm.dottorato.unige.it/ammissione and send their reference letters to Prof.ssa Francesca Gazzano: referente.antichistica1@gmail.com by the deadline of the call.
Foreign Languages	A good working knowledge of a modern foreign language (chosen among English, French, Spanish, German) is required of all candidates, who will be asked to translate a passage from specialist publications during the interview. An adequate knowledge of the Italian language is mandatory for all applicants.
Further Information	Only a limited number of applicants will be admitted to interview. Admission will be based on CV, MA dissertation, published works (if any) and research project. The list of those admitted will be posted to the Admission section of our site: https://lccm.dottorato.unige.it/ammissione by 22.07.2024 at 18.00.

Course: MATHEMATICS AND APPLICATIONS

Curriculum: MATHEMATICS AND APPLICATIONS (CODE 10519)

Course Coordinator: Vigni Stefano	
Department of Mathematics (Dipartimento di Matematica – DIMA)	
Places: 8 Grants: 8 (*)	
(*) 5 grants funded by Università degli Studi di Genova; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00. (*) 1 grant cofunded by MUR/Department (DIMA); the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00. (*) 2 grants funded by Department (DIMA) within the Dipartimento di Eccellenza 2023-2027 project; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00.	
Comparative assessment procedure	QUALIFICATIONS AND INTERVIEW
Interview	29.07.2024 - 9:00 am (Italian time) Interviews may continue on 30.07.2024. All interviews will be held either in person or via SKYPE (or an equivalent platform). In due course, candidates will be contacted by the evaluation committee.
Further information on how to present qualifications/publications	Besides the documentation listed in art. 3 of the public notice, candidates must present: - if available, their 5-year degree thesis (to be uploaded online). Furthermore: - their three-year degree and five-year degree marks should be indicated in their curriculum; - a research project (2 pages max.) describing the research theme they intend to work on during the Doctoral Course.
Exam syllabus	The comparative assessment procedure consists in the assessment of qualifications/publications and in interview on the research project presented by the candidate.
Research themes	- Harmonic and functional analysis - Mathematical logic and category theory - Commutative algebra - Complex projective geometry - Analytic number theory - Arithmetic geometry and algebraic number theory - Mathematical formulations of quantum mechanics and field theory - Probability and mathematical statistics - Numerical analysis, computational methods and applications - Mathematics education
Information on references	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the public notice, to the Coordinator of the Doctoral Course at the following address: Prof. Stefano Vigni Dipartimento di Matematica, Università di Genova Via Dodecaneso 35 16146 Genova or, alternatively, to the e-mail address: vigni@dim.unige.it The name, status and service place of the referees chosen by the candidates must be stated in their applications.
Foreign languages	English
Further information	Prof. Stefano Vigni Dipartimento di Matematica, Università di Genova via Dodecaneso 35 16146 Genova GE E-mail: stefano.vigni@unige.it

Course: MATHEMATICS AND APPLICATIONS

Curriculum: MATHEMATICAL METHODS FOR DATA ANALYSIS (CODE 10520)

Course Coordinator: Vigni Stefano	
Department of Mathematics (Dipartimento di Matematica – DIMA)	
Places: 8 (°) Grants: 7 (*) [1]	
<p>(*) 2 grants funded by Istituto Italiano di Tecnologia (IIT); the annual gross amount of the grants, including social security expenses to be paid by the recipient, is € 18.500,00.</p> <p>(*) 1 grant funded within D.M. 629 dated 24.4.2024 (Pubblica Amministrazione), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (CUP D32B24000460006)</p> <p>(*) 1 grant funded within D.M. 630 dated 24.4.2024 (cofunded by IRCCS Ospedale Policlinico San Martino), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (CUP D32B24000720008)</p> <p>(*) 1 grant funded within D.M. 630 dated 24.4.2024 (cofunded by HoB S.r.l.), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (CUP D32B24000720008)</p> <p>(*) 1 grant funded by Department (DIMA) within the European ERC project “Efficient algorithms for sustainable machine learning”; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 18.500,00 (CUP D34I19004000006).</p> <p>(*) 1 grant funded by Department (DIMA) within the European ELIAS project; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 18.500,00 (CUP D33C23001880006).</p> <p>(°) 1 position reserved for ERG S.p.A. employees [1]</p>	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview:	29.7.2024 - 9:00 am (Italian time) Interviews may continue on 30.7.2024. All interviews will be held either in person or via SKYPE (or an equivalent platform). In due course, candidates will be contacted by the evaluation committee.
Further information on how to present qualifications/publications	Besides the documentation listed in art. 3 of the public notice, candidates must present: - if available, their 5-year degree thesis (to be uploaded online). Furthermore: - their three-year degree and five-year degree marks should be indicated in their curriculum; - a research project (2 pages max.) which describes the research theme they intend to work on during the Doctoral Course.
Exam syllabus	The comparative assessment procedure consists in the assessment of qualifications/publications and in interview on the research project presented by the candidate.
Research themes	<p>Research theme n. 1 (IIT) - Theory and algorithm development in reinforcement learning. Abstract - This research project aims to delve deeply into the theoretical foundations of reinforcement learning (RL), with an emphasis on developing algorithms that are not only robust but also sample-efficient. The core objective is to enhance understanding and implementation of RL methods that are backed by rigorous statistical guarantees. Through this study, we will explore innovative strategies to optimize decision-making processes in uncertain environments, pivotal for advancing RL applications across various domains. Additionally, potential applications in diverse areas of science and engineering, particularly computational chemistry and robotics, may also be explored. This interdisciplinary approach seeks to address key challenges in scalability and efficiency, contributing to more effective and reliable RL systems.</p> <p>Research theme n. 2 (IIT) - Machine learning and numerical optimization. Abstract - This position will explore the interplay between optimization and machine learning, emphasizing the development and study of efficient iterative algorithms. It will delve into the mathematical aspects of machine learning theory, seeking to advance our understanding of how optimization strategies can be optimally applied in various machine learning contexts. The research aims to address critical challenges in algorithm efficiency and robustness, paving the way for innovative solutions in the field.</p> <p>Research theme n. 3 (D.M. 629 dated 24.4.2024) - Mathematics, at school and in public. Abstract - The goal is to study the relationships between the learning processes determined in public events dedicated to dissemination (laboratories, exhibitions, etc.) and the learning processes developed within the school environments, also through the planning of activities for the dissemination of the mathematical research activities carried out at the Department of Mathematics. The successful candidates will meet students of various school levels in both contexts, devoting particular attention to possible byproducts of the research in terms of teacher training as well as disseminator training. The preparation of products for the dissemination of mathematics and the analysis of the impact on students will be carried out in collaboration with both the Istituto per le applicazioni del calcolo "Mauro Picone" (CNR), which has been active for</p>

	<p>decades in the dissemination of mathematics also through the MaddMaths! website and the Comics&Science enterprise, and the CNR Communication Unit, with which DIMA has an active operational agreement for the development and promotion of educational and dissemination activities.</p> <p>Research theme n. 4 (D.M. 630 dated 24.4.2024 - IRCCS Ospedale Policlinico San Martino) - Integration of modelling, computational, and machine/deep learning methods for the analysis of multi-modal longitudinal neurological data.</p> <p>Abstract - This research project aims to develop Bayesian and artificial intelligence computational techniques for the modelling of longitudinal neurological data, with specific focus on the prediction of neurodegenerative diseases' follow-up; the utilized data will involve magnetic resonance imaging and positron emission tomography data, integrated with clinical and bio-chemical data.</p> <p>Research theme n. 5 (D.M. 630 dated 24.4.2024 – HoB S.r.l.) - Artificial intelligence methods in solar physics and space weather.</p> <p>Abstract - This project aims to develop computational techniques based on inverse problems and machine learning for the interpretation of data from solar high-energy space telescopes, the generation of annotated databases for neural networks' training, the application of these networks for solar flare forecasting, and the implementation of these algorithms in a web-based infrastructure.</p> <p>Research theme n. 6 (ERC project) - Foundations of adaptive machine learning.</p> <p>Abstract - Machine learning deals with estimating a function of interest from input-output data. When data are high-dimensional, learning can be effective only if the function of interest has some structure. Classically, the latter has been described in terms of smoothness properties. However, it is often the case that the effective dimensionality of the function domain is crucial. This project aims at investigating function classes that can exploit these structures for learning and approximation. Specifically, we aim to consider Hilbert and Banach spaces of functions that can help in understanding neural nets.</p> <p>Research theme n. 7 (ELIAS project) - Sound and sustainable data-driven modeling of dynamical systems.</p> <p>Abstract - Dynamical systems offer a theoretical framework to describe physical processes in the real world, with endless applications. Traditionally, the study of dynamical systems has relied on Partial Differential Equations (PDEs) derived from first principles. Recently, data-driven models from machine learning have emerged as a way to simulate and discover dynamical systems from observational data. These novel data-driven techniques hold the potential to unlock the modeling of systems where the governing principles are unknown or too complex to be computationally feasible. However, data-driven approaches are often computationally cumbersome and lack the basic theoretical guarantees of model-based approaches. The goal of this project is to develop novel, data-efficient, and computationally sustainable learning algorithms that are applicable in real-world scenarios while providing researchers with sound theoretical guarantees.</p>
Information on references	<p>Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the public notice, to the Coordinator of the Doctoral Course at the following address:</p> <p>Prof. Stefano Vigni Dipartimento di Matematica, Università di Genova Via Dodecaneso 35 16146 Genova or, alternatively, to the e-mail address: vigni@dim.unige.it</p> <p>The name, status and service place of the referees chosen by the candidates must be stated in their applications.</p>
Foreign languages	English
Further information	<p>Prof. Stefano Vigni Dipartimento di Matematica, Università di Genova via Dodecaneso 35 16146 Genova GE E-mail: stefano.vigni@unige.it</p>

11 Reserved position added after the publication of the Notice of competition (D.R. 2882 dated 6.06.2024)

Course: MATHEMATICS AND APPLICATIONS

Curriculum: MATHEMATICAL METHODS FOR DATA ANALYSIS (CODE 10521)

Course Coordinator: Vigni Stefano	
Department of Mathematics (Dipartimento di Matematica – DIMA)	
Places: 2 – Grants: 2 (*)	
<p>(*) 1 grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of ASG Superconductors S.p.A., under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500. Research project: Advanced biomedical imaging via integration of mathematical modelling, computational analysis and machine/deep learning techniques.</p> <p>(*) 1 grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of IRCCS “Istituto G. Gaslini”, under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500. Research project: Artificial intelligence methods in neonatal precision medicine.</p>	
Comparative assessment procedure	<p>QUALIFICATIONS/PUBLICATIONS AND EXAM</p> <ul style="list-style-type: none"> • Assessment of qualifications/publications and the curriculum vitae et studiorum • Written test (research project) • Interview that includes the description of the candidate’s research area of interest, also on the basis of previous activities stated in his/her scientific professional curriculum
Interview	<p>29.7.2024 - 9:00 am (Italian time) Interviews may continue on 30.7.2024. All interviews will be held either in person or via SKYPE (or an equivalent platform). In due course, candidates will be contacted by the evaluation committee.</p>
Further information on how to present qualifications/publications	<p>Besides the documentation listed in art. 3 of the public notice, candidates must present: - if available, their 5-year degree thesis (to be uploaded online). Furthermore: - their three-year degree and five-year degree marks should be indicated in their curriculum; - a research project (2 pages max.) which describes the research theme they intend to work on during the Doctoral Course.</p>
Exam syllabus	<p>The comparative assessment procedure consists in the assessment of qualifications/publications and in interview on the research project presented by the candidate.</p>
Research themes	<p>Research project for grant within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f): Research theme n. 1 (grant cofunded by ASG Superconductors S.p.A.) - Advanced biomedical imaging via integration of mathematical modelling, computational analysis and machine/deep learning techniques. Abstract - This research project aims to develop advanced biomedical imaging methods that exploit mathematical modelling, computational analysis, and machine/deep learning algorithms for the interpretation of imaging data and of the improvement of their diagnostic power. Research theme n. 2 (grant cofunded by Istituto G. Gaslini) - Artificial intelligence methods in neonatal precision medicine. Abstract - This research project aims to develop computational methods focused on neonatal neuroscience, using omics and mass spectrometry data; the algorithms will include machine/deep learning methods for the construction of prediction models, numerical optimization methods, and methods based on dynamical systems for the realization of in-silico models of physio-pathological proteomics.</p>
Information on references	<p>Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the public notice, to the Coordinator of the Doctoral Course at the following address:</p> <p>Prof. Stefano Vigni Dipartimento di Matematica, Università di Genova Via Dodecaneso 35 16146 Genova or, alternatively, to the e-mail address: vigni@dima.unige.it</p> <p>The name, status and service place of the referees chosen by the candidates must be stated in their applications.</p>
Foreign languages	English

Further information	Further information about commitments and conditions of the grants funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) are available in the Notice of competition (article 6, paragraph 6) Months to be spent abroad: 0
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Course: TRANSLATIONAL AND CLINICAL INTERNAL MEDICINE**Curriculum: TRANSLATIONAL HAEMATOLOGY (CODE 10522)**

Course Coordinator: Ameri Pietro	
Department of Internal Medicine and Medical Specialities (Dipartimento di Medicina Interna e Specialità Mediche – DIMI)	
Places: 1 – Grants: 1 (*)	
(*) 1 grant funded by Università degli Studi di Genova; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00	
Evaluation of the candidates	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	In presence, 23.07.2024 - 9.00 AM Rome time
Evaluated aspects	<p>During the interview, the candidate will be evaluated with respect to the following items:</p> <ul style="list-style-type: none"> • Knowledge of the scientific literature regarding the research topics • Commitment • Overall understanding of the research area • Previous research experience • Ability to independently carry out a research project • Ability to work in a team <p>If the interview is not held in English, English proficiency will be assessed by reading and translation of an extract of a scientific article.</p>
Research topics	<ul style="list-style-type: none"> - Overview of main biological features observed in blood cancers: leukemia, lymphomas and multiple myeloma - Novel therapeutic approaches for the treatment of hematologic malignancies by use of precision-medicine strategies - The role of up-to date technologies single-cell-based for tumor heterogeneity investigations - Bioinformatics approaches to investigate hematologic malignancies - Role of plasma and platelet derivatives in tissue regeneration and their applications in onco-hematology - Development of innovative technologies for mapping and scanning hematologic malignancies by generation of organoids and three-dimensional models
References	<p>Applicants may indicate up to three academic mentors or scientific experts in support of their application. The relevant reference letters should be sent to the Coordinator of the Course, Prof. Pietro Ameri, email: pietroameri@unige.it, ricercadimi@unige.it, and to Prof. Roberto Lemoli email: roberto.lemoli@unige.it. Reference letters are not part of the evaluation criteria for admission to the Course.</p>
Foreign language	English
For further Information	<p>Please contact:</p> <p>Prof. Roberto Lemoli, email: roberto.lemoli@unige.it</p> <p>Prof. Michele Cea, email: michele.cea@unige.it</p> <p>Prof. Maddalena Mastrogiacomo, email: Maddalena.Mastrogiacomo@unige.it</p>

Course: TRANSLATIONAL AND CLINICAL INTERNAL MEDICINE**Curriculum: ENDOCRINE AND METABOLIC DISORDERS AND OBESITY (CODE 10523)**

Course Coordinator: Ameri Pietro	
Department of Internal Medicine and Medical Specialities (Dipartimento di Medicina Interna e Specialità Mediche – DIMI)	
Places: 1– Grants 1 (*)	
(*) 1 grant funded by Università degli Studi di Genova; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00	
Evaluation of the candidates	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	In presence, 23.07.2024 - 9.00 AM Rome time
Evaluated aspects	<p>During the interview, the candidate will be evaluated with respect to the following items:</p> <ul style="list-style-type: none"> • Knowledge of the scientific literature regarding the research topics • Commitment • Overall understanding of the research area • Previous research experience • Ability to independently carry out a research project • Ability to work in a team <p>If the interview is not held in English, English proficiency will be assessed by reading and translation of an extract of a scientific article.</p>
Research topics	<ul style="list-style-type: none"> • Pathophysiology of pituitary secretion, with particular emphasis on the hypothalamic-somatotropic and prolactin axes, and the IGF system • Pathophysiology of somatostatin receptors in neuroendocrine and pituitary tumors • Epidemiological and clinical aspects of thyroid neoplastic pathology and neuroendocrine tumors • Cellular mechanisms of insulin action and other growth factors • Pathophysiology of obesity, pharmacological and nutritional strategies for a wide range of metabolic disorders
References	<p>Applicants may indicate up to three academic mentors or scientific experts in support of their application. The relevant reference letters should be sent to the Coordinator of the Course, Prof. Pietro Ameri, email: pietroameri@unige.it, ricercadimi@unige.it, and to Prof Diego Ferone, email: ferone@unige.it. Reference letters are not part of the evaluation criteria for admission to the Course.</p>
Foreign language	English
For further information	<p>Please contact:</p> <p>Prof. Diego Ferone, email: ferone@unige.it</p> <p>Prof. Davide Maggi, email: davide.maggi@unige.it</p> <p>Prof. Mara Boschetti, email: mara.boschetti@unige.it</p> <p>Prof. Manuela Albertelli, email: manuela.albertelli@unige.it</p>

Course: TRANSLATIONAL AND CLINICAL INTERNAL MEDICINE**Curriculum RENAL, CARDIOVASCULAR, ARTERIAL HYPERTENSIVE DISEASES (CODE 10524)**

Course Coordinator: Ameri Pietro	
Department of Internal Medicine and Medical Specialities (Dipartimento di Medicina Interna e Specialità Mediche – DIMI)	
Places: 1 – Grants: 1 (*)	
(*) 1 grant funded by Università degli Studi di Genova; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00	
Evaluation of the candidates	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	In presence, 23.07.2024 - 9.00 AM Rome time
Evaluated aspects	<p>During the interview, the candidate will be evaluated with respect to the following items:</p> <ul style="list-style-type: none"> • Knowledge of the scientific literature regarding the research topics • Commitment • Overall understanding of the research area • Previous research experience • Ability to independently carry out a research project • Ability to work in a team <p>If the interview is not held in English, English proficiency will be assessed by reading and translation of an extract of a scientific article.</p>
Research topics	<p>-Hemodynamic and metabolic mechanisms involved in the development of renal and extra-renal organ damage</p> <p>- Cardiovascular and renal risk factors in hypertension, diabetic nephropathy, glomerulonephritis and kidney transplantation.</p> <p>- Atherosclerosis, diabetic nephropathy, chronic kidney disease: role of innate and acquired immune system.</p> <p>- Thrombosis and anticoagulation in atrial fibrillation and acute coronary syndromes.</p> <p>- Role of inflammatory mediators in ischemic heart disease, in ischemic stroke, in metabolic and kidney diseases and their complications.</p>
References	<p>Applicants may indicate up to three academic mentors or scientific experts in support of their application. The relevant reference letters should be sent to the Coordinator of the Course, Prof. Pietro Ameri, email: pietroameri@unige.it, ricercadimi@unige.it, and to Prof. Fabrizio Montecucco, email: fabrizio.montecucco@unige.it or Prof. Francesca Chiara Viazzi, email: francesca.viazzi@unige.it</p> <p>Reference letters are not part of the evaluation criteria for admission to the Course.</p>
Foreign language	English
For further information	<p>Please contact:</p> <p>Prof. Francesca Chiara Viazzi, email: francesca.viazzi@unige.it</p> <p>Prof. Fabrizio Montecucco, email: fabrizio.montecucco@unige.it</p>

Course: TRANSLATIONAL AND CLINICAL INTERNAL MEDICINE**Curriculum DISEASES OF THE CARDIOVASCULAR AND RESPIRATORY SYSTEMS (CODE 10525)**

Course Coordinator: Ameri Pietro	
Department of Internal Medicine and Medical Specialities (Dipartimento di Medicina Interna e Specialità Mediche – DIMI)	
Places: 2 (°) – Grants: 1 (*)	
(*) 1 grant cofunded by MUR/Department (DIMI); the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00	
(°) 1 place reserved for an employee of IRCCS Ospedale Policlinico San Martino	
Evaluation of the candidates	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	In presence, 23.07.2024 - 9.00 AM Rome time
Evaluated aspects	<p>During the interview, the candidate will be evaluated with respect to the following items:</p> <ul style="list-style-type: none"> • Knowledge of the scientific literature regarding the research topics • Commitment • Overall understanding of the research area • Previous research experience • Ability to independently carry out a research project • Ability to work in a team <p>If the interview is not held in English, English proficiency will be assessed by reading and translation of an extract of a scientific article.</p>
Research topics	<p>Cardiovascular and respiratory diseases, with special attention to:</p> <ul style="list-style-type: none"> • ischemic heart disease • heart failure, including specific underlying cardiomyopathies and pulmonary hypertension • interactions between cancer and cardiovascular disease (cardio-oncology) • severe asthma • chronic obstructive pulmonary disease • interstitial lung disease • allergology and rare immune-mediated pulmonary diseases.
References	<p>Applicants may indicate up to three academic mentors or scientific experts in support of their application. The relevant reference letters should be sent to the Coordinator of the Course, Prof. Pietro Ameri, email: pietroameri@unige.it, ricercadimi@unige.it, and to Prof. Italo Porto: italo.porto@unige.it or Prof. Giovanni Passalacqua: passalacqua@unige.it.</p> <p>Reference letters are not part of the evaluation criteria for admission to the Course.</p>
Foreign language	English
For further information	<p>Please contact:</p> <p>Prof. Pietro Ameri, email: pietroameri@unige.it</p> <p>Prof. Italo Porto, email: italo.porto@unige.it</p> <p>Prof. Giovanni Passalacqua, email: passalacqua@unige.it</p>

Course: TRANSLATIONAL AND CLINICAL INTERNAL MEDICINE

Curriculum DISEASES OF THE CARDIOVASCULAR AND RESPIRATORY SYSTEMS (CODE 10526)

Course Coordinator: Ameri Pietro	
Department of Internal Medicine and Medical Specialities (Dipartimento di Medicina Interna e Specialità Mediche – DIMI)	
Places: 1 – Grants: 1 (*)	
(*) 1 grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of PIAM FARMACEUTICI SPA, under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500.	
Research project: Precision approach to atherosclerotic coronary artery disease: from prevention to diagnosis	
Evaluation of the candidates	<p>QUALIFICATIONS/PUBLICATIONS AND EXAM</p> <ul style="list-style-type: none"> • Assessment of qualifications/publications and the curriculum vitae et studiorum • Written test (research project) • Interview that includes the description of the candidate’s research area of interest, also on the basis of previous activities stated in his/her scientific professional curriculum
Interview	In presence, 23.07.2024 - 9.00 AM Rome time
Evaluated aspects	<p>During the interview, the candidate will be evaluated with respect to the following items:</p> <ul style="list-style-type: none"> • Knowledge of the scientific literature regarding the research topics • Commitment • Overall understanding of the research area • Previous research experience • Ability to independently carry out a research project • Ability to work in a team <p>If the interview is not held in English, English proficiency will be assessed by reading and translation of an extract of a scientific article.</p>
Research topics	<ul style="list-style-type: none"> • Atherosclerotic coronary artery disease • Ischemic heart disease • Dyslipidemia • Intracoronary imaging. <p>Research project for grant within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f): Precision approach to atherosclerotic coronary artery disease: from prevention to diagnosis</p>
References	<p>Applicants may indicate up to three academic mentors or scientific experts in support of their application. The relevant reference letters should be sent to the Coordinator of the Course, Prof. Pietro Ameri, email: pietroameri@unige.it, ricercadimi@unige.it, and to Prof. Italo Porto: italo.porto@unige.it. Reference letters are not part of the evaluation criteria for admission to the Course.</p>
Foreign language	English
For further information	<p>Please contact: Prof. Pietro Ameri, email: pietroameri@unige.it Prof. Italo Porto, email: italo.porto@unige.it</p> <p>Further information about commitments and conditions of the grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) is available within the call text (article 6, paragraph 6).</p> <p>Months to spend abroad: 12.</p>

Course: TRANSLATIONAL AND CLINICAL INTERNAL MEDICINE**Curriculum GERONTOLOGY, NUTRITION, AND ANTI-AGING MEDICINE (CODE 10527)**

Course Coordinator: Ameri Pietro	
Department of Internal Medicine and Medical Specialities (Dipartimento di Medicina Interna e Specialità Mediche – DIMI)	
Places: 3 – Grants: 3 (*)	
(*) 2 grants funded by Università degli Studi di Genova; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (*) 1 grant funded within D.M. 630 dated 24.4.2024 (co-funded by IRCCS Ospedale Policlinico San Martino), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (CUP D32B24000670008)	
Evaluation of the candidates	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	In presence or online, 24.07.2024 - 9.00 AM Rome time
Evaluated aspects	<p>During the interview, the candidate will be evaluated with respect to the following items:</p> <ul style="list-style-type: none"> • Knowledge of the scientific literature regarding the research topics • Commitment • Overall understanding of the research area • Previous research experience • Ability to independently carry out a research project • Ability to work in a team <p>If the interview is not held in English, English proficiency will be assessed by reading and translation of an extract of a scientific article.</p>
Research topics	<p>-The biochemistry of aging: regulation of i) autophagy, ii) IGF-1 signaling, iii) intracellular NAD , iv) sirtuins, v) response to oxidative stress. -Physiopathology of frailty in the elderly. -Aging and tumors: biology, main clinical problems in treatment, geriatric profiling of the elderly affected by cancer. -Caloric restriction and fasting as strategies for the promotion of longevity and for the treatment of diseases: biological rationale and clinical evidence. -The personalization of treatment of senior patients in the medical or surgical setting - Pathophysiology of atherosclerosis and main cardiovascular risk factors. -Evaluation of nutritional status and body composition, principles of human nutrition and food science. Malnutrition by excess and by deficiency. Main dietary approaches (Mediterranean/DASH diet, ketogenic diet, intermittent calorie restriction, vegan/vegetarian diet) and their impact on health/disease status. -Nutraceuticals in cardiovascular prevention and chronic-degenerative non trasmissible diseases. -Evaluation of food system sustainability.</p>
References	<p>Applicants may indicate up to three academic mentors or scientific experts in support of their application. The relevant reference letters should be sent to the Coordinator of the Course, Prof. Pietro Ameri, email: pietroameri@unige.it, ricercadimi@unige.it, and to Prof. Fiammetta Monacelli, email: fiammetta.monacelli@unige.it. Reference letters are not part of the evaluation criteria for admission to the Course.</p>
Foreign language	English
For further information	<p>Please contact: Prof. Alessio Nencioni, email: alessio.nencioni@unige.it Prof. Fiammetta Monacelli, email: fiammetta.moncelli@unige.it Prof. Livia Pisciotta, email: livia.pisciotta@unige.it</p>

Course: TRANSLATIONAL AND CLINICAL INTERNAL MEDICINE**Curriculum: DISEASES OF THE DIGESTIVE SYSTEM AND OF THE LIVER (CODE 10528)**

Course Coordinator: Ameri Pietro	
Department of Internal Medicine and Medical Specialities (Dipartimento di Medicina Interna e Specialità Mediche – DIMI)	
Places: 2 (°) – Grants: 1 (*)	
(*) 1 grant funded by Università degli Studi di Genova; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (°) 1 place reserved for an employee of IRCCS Ospedale Policlinico San Martino	
Evaluation of the candidates	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	In presence, 24.07.2024 - 9.00 AM Rome time
Evaluated aspects	During the interview, the candidate will be evaluated with respect to the following items: <ul style="list-style-type: none">• Knowledge of the scientific literature regarding the research topics• Commitment• Overall understanding of the research area• Previous research experience• Ability to independently carry out a research project• Ability to work in a team If the interview is not held in English, English proficiency will be assessed by reading and translation of an extract of a scientific article.
Research topics	- Eosinophilic Esophagitis: application of innovative diagnostic techniques. - Role of material deprivation on the outcome of patients with chronic liver disease. - Orthodontic therapeutic protocols for the morphologic, functional and esthetic restoration of the stomatognathic system. - Implant-prosthetic rehabilitation strategies and peri-implant disease.
References	Applicants may indicate up to three academic mentors or scientific experts in support of their application. The relevant reference letters should be sent to the Coordinator of the Course, Prof. Pietro Ameri, email: pietroameri@unige.it , ricercadimi@unige.it , and to Prof. Edoardo G. Giannini, email: edoardo.giannini@unige.it , or Prof. Maria Menini, email: maria.menini@unige.it . Reference letters are not part of the evaluation criteria for admission to the Course.
Foreign language	English
For further information	Please contact: Prof. Edoardo G. Giannini, email: edoardo.giannini@unige.it Prof. Maria Menini, email: maria.menini@unige.it

Course: TRANSLATIONAL AND CLINICAL INTERNAL MEDICINE**Curriculum: TRANSLATIONAL ONCOLOGY (CODE 10529)**

Course Coordinator: Ameri Pietro	
Department of Internal Medicine and Medical Specialities (Dipartimento di Medicina Interna e Specialità Mediche – DIMI)	
Places: 5 – Grants: 1 (*) [1]	
(*) 1 grant funded by Università degli Studi di Genova; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (°) 1 place reserved for an employee of IRCCS Ospedale Policlinico San Martino	
Evaluation of the candidates	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	In presence, 24.07.2024 - 9.00 AM Rome time
Evaluated aspects	<p>During the interview, the candidate will be evaluated with respect to the following items:</p> <ul style="list-style-type: none"> • Knowledge of the scientific literature regarding the research topics • Commitment • Overall understanding of the research area • Previous research experience • Ability to independently carry out a research project • Ability to work in a team <p>If the interview is not held in English, English proficiency will be assessed by reading and translation of an extract of a scientific article.</p>
Research topics	<ul style="list-style-type: none"> - Monitoring of solid neoplasms by analysis of circulating nucleic acids. - Study of the molecular factors that are prognostic and predictive of response in solid neoplasms. - Preclinical studies of associations between new antineoplastic drugs. - Pre-clinical and clinical trials in translational oncology. - Innovative therapeutic approaches in solid tumors and haematological neoplasms. - Tumor microenvironment and immune response to tumors. - Study of the molecular and pathogenetic aspects of cardio-toxicity from antineoplastic drugs. - Study of the interactions between tumor cells and the immune system through systems biology approaches. - Identification of factors that are predictive of response to immunotherapy through immunogenomic approaches
References	<p>Applicants may indicate up to three academic mentors or scientific experts in support of their application. The relevant reference letters should be sent to the Coordinator of the Course, Prof. Pietro Ameri, email: pietroameri@unige.it, ricercadimi@unige.it, and to Prof. Alberto Ballestrero, email: aballestrero@unige.it, or Prof. Lucia Del Mastro, email: lucia.delmastro@unige.it. Reference letters are not part of the evaluation criteria for admission to the Course.</p>
Foreign language	English
For further information	<p>Please contact: Prof Alberto Ballestrero, email: aballestrero@unige.it Prof. Lucia Del Mastro, email: lucia.delmastro@unige.it</p>

[1] Position without grant added after the publication of the Notice of competition (D.R. 2882 dated 6.06.2024)

Course: EXPERIMENTAL MEDICINE**Curriculum: BIOCHEMISTRY (CODE 10530)**

Course Coordinator: Fedele Ernesto	
Department of Experimental Medicine (Dipartimento di Medicina Sperimentale – DIMES)	
Places: 3 – Grants: 3 (*)	
(*) 3 grants funded by Università degli Studi di Genova, the annual amount of the scholarship, gross of social security contributions to be paid by the recipient, is €16,500	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	23.07.2024 – h 10:00 CEST In presence at the Department of Experimental Medicine (DIMES), Biochemistry Section, Viale Benedetto XV, 1 - floor 1, 16132 Genoa or via Skype if requested by the candidate
Exam Syllabus	The interview will cover topics of biochemistry, the presentation of any previous experience of the candidate in the field of research, for the preparation of the thesis, or other, and the assessment of knowledge of the English language by reading and translating an excerpt from a scientific article.
Research Themes	<ul style="list-style-type: none"> • The ABA_LANCL hormone-receptor system in thermogenesis • Towards personalized medicine using multi-omics technologies for the identification of new diagnostic and prognostic disease biomarkers • Design of novel CFTR modulators and characterization of their intracellular signaling related to inflammation control in cystic fibrosis patients - Ca²⁺-dependent proteolysis in the nerve-muscle system: involvement in cancer cachexia
Information on references	<p>Candidates must choose not less than one and not more than three reference persons to support their candidacy. These reference persons must be University professors or experts in the subject. It is responsibility of the reference persons to send the reference letters, within the deadline of the call, to the Head of the curriculum of the doctoral course at the following address: Prof. Santina Bruzzone, santina.bruzzone@unige.it</p> <p>The personal details (name/surname, qualification, institution) of the reference persons must be reported by the candidate in the application form.</p>
Foreign Languages	English
Further Information	<p>Prof.ssa Santina Bruzzone DIMES, Sez. Biochimica Viale Benedetto XV 1 16132 Genova (+39) 0103538150 santina.bruzzone@unige.it www.dms.unige.it</p>

Course: EXPERIMENTAL MEDICINE**Curriculum: BIOCHEMISTRY (CODE 10531)**

Course Coordinator: Fedele Ernesto	
Department of Experimental Medicine (Dipartimento di Medicina Sperimentale – DIMES)	
Places: 2 – Grants: 2 (*)	
(*) 2 grants funded under REGIONAL PROGRAMME EUROPEAN SOCIAL FUND+ 2021-2027 PRIORITY 2 - EDUCATION AND TRAINING - ESO 4.6 (OS-f) in collaboration with and with the contribution of IRCCS Ospedale Policlinico San Martino of Genoa, under condition of approval of the project and its funding; the annual amount of the grant, gross of social security charges borne by the recipient, is € 16,500.	
Projects:	
<ul style="list-style-type: none"> • Singenic murine models for systematic analysis of the contribution of single mutation driver in tumorigenesis, immunogenicity and response to therapy of cutaneous and uveal melanoma • Biomarkers of short and long-term stability in biological sample management of the Biological Resources Center (CRB) 	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND EXAM <ul style="list-style-type: none"> • Assessment of qualifications/publications and the curriculum vitae et studiorum • Written test (research project) • Interview that includes the description of the candidate's research area of interest, also on the basis of previous activities stated in his/her scientific professional curriculum
Interview	23.07.2024 – h 10:00 CEST In presence at the Department of Experimental Medicine (DIMES), Biochemistry Section, Viale Benedetto XV, 1 - floor 1, 16132 Genoa or via Skype if requested by the candidate
Exam Syllabus	The interview will cover topics of biochemistry, the presentation of any previous experience of the candidate in the field of research, for the preparation of the thesis, or other, and the assessment of knowledge of the English language by reading and translating an excerpt from a scientific article.
Research Themes	Research projects for grant within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) : <ul style="list-style-type: none"> • Singenic murine models for systematic analysis of the contribution of single mutation driver in tumorigenesis, immunogenicity and response to therapy of cutaneous and uveal melanoma • Biomarkers of short and long-term stability in biological sample management of the Biological Resources Center (CRB)
Information on references	Candidates must choose not less than one and not more than three reference persons to support their candidacy. These reference persons must be University professors or experts in the subject. It is responsibility of the reference persons to send the reference letters, within the deadline of the call, to the Head of the curriculum of the doctoral course at the following address: Prof. Santina Bruzzone, santina.bruzzone@unige.it The personal details (name/surname, qualification, institution) of the reference persons must be reported by the candidate in the application form.
Foreign Languages	English
Further Information	Prof.ssa Santina Bruzzone DIMES, Sez. Biochimica Viale Benedetto XV 1 16132 Genova (+39) 0103538150 santina.bruzzone@unige.it www.dms.unige.it Further information about commitments and conditions of the grants funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) are available in the Notice of competition (article 6, paragraph 6) Months to be spent abroad: 0

Course: EXPERIMENTAL MEDICINE**Curriculum: PHARMACOLOGY AND TOXICOLOGY (CODE 10532)**

Course Coordinator: Fedele Ernesto	
Department of Experimental Medicine (Dipartimento di Medicina Sperimentale – DIMES)	
Places: 2– Grants: 2 (*)	
(*) 2 grants funded by Università degli Studi di Genova, the annual amount of the grant, gross of social security expenses to be paid by the recipient, is € 16.500,00.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	24.07.2024 – h 15:00 CEST In presence at the Department of Pharmacy (DIFAR), Pharmacology and Toxicology Section, Viale Cembrano 4, III floor, 16148 Genova or via Skype if requested by the candidate.
Exam Syllabus	The interview will focus on the candidate's previous experiences in the field of scientific research or during the preparation of the final dissertation; there will be also a critical discussion on the research project presented by the candidate. The knowledge of English Language will be assessed by reading and commenting part of a scientific article.
Research Themes	<ul style="list-style-type: none">• Preclinical studies on in vivo and in vitro models of neurodegenerative disorders with particular focus on amyotrophic lateral sclerosis (1 grant funded by Università degli Studi di Genova).• Cellular neurobiology and molecular mechanisms of neurotransmission in neuroinflammatory disorders with particular focus on multiple sclerosis (1 grant funded by Università degli Studi di Genova).
Information on references	Candidates must choose not less than one and not more than three reference persons to support their candidacy. These reference persons must be University professors or experts in the subject. It is responsibility of the reference persons to send the reference letters, within the deadline of the call, to the Head of the curriculum of the doctoral course at the following address: Prof. Marco Milanese, marco.milanese@unige.it The personal details (name/surname, qualification, institution) of the reference persons chosen must be reported by the candidate in the application form.
Foreign Languages	English
Further Information	Prof. Marco Milanese University of Genoa DIFAR - Pharmacology and Toxicology Section Viale Cembrano 4 16148 Genoa (+39) 0103532046 marco.milanese@unige.it www.dms.unige.it

Course: EXPERIMENTAL MEDICINE**Curriculum: MOLECULAR AND CELLULAR PATHOLOGY OF DISEASES CORRELATED TO AGEING (CODE 10533)**

Course Coordinator: Fedele Ernesto	
Department of Experimental Medicine (Dipartimento di Medicina Sperimentale – DIMES)	
Places: 3 – Grants: 3 (*)	
(*) 2 grants funded by Università degli Studi di Genova, the annual amount of the grant, gross of social security expenses to be paid by the recipient, is € 16.500,00. (*) 1 grant funded within D.M. 630 dated 24.04.2024 (cofunded by IRCCS Ospedale Policlinico San Martino of Genoa), under condition of the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (CUP D32B24000620008)	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	25.07.2024 - h 14:00 CEST In presence at the Department of Experimental Medicine (DIMES), General Pathology Section, via L.B. Alberti 2, 16132 Genova or via Skype if requested by the candidate.
Exam Syllabus	The interview will cover topics in the pathology of aging and issues related to the research activity carried out by the candidate. Knowledge of the English language will be assessed by reading and translating a passage from a scientific article.
Research Themes	<ul style="list-style-type: none"> • Molecular mechanisms underlying resistance to antineoplastic drugs. (1 grant funded by Università degli Studi di Genova). • Alteration of molecular mechanisms of response to damage in degenerative and/or neoplastic diseases and identification of potential biomarkers (1 grant funded by Università degli Studi di Genova). • Study of the mechanisms involved in Alzheimer's disease to identify a new early diagnosis (1 grant funded within D.M. 630 dated 24.04.2024).
Information on references	<p>Candidates must choose not less than one and not more than three reference persons to support their candidacy. These reference persons must be University professors or experts in the subject. It is responsibility of the reference persons to send the reference letters, within the deadline of the call, to the Head of the curriculum of the doctoral course at the following address:</p> <p>Prof.ssa. Cinzia Domenicotti Cinzia.Domenicotti@unige.it</p> <p>The personal details (name/surname, qualification, institution) of the reference persons must be reported by the candidate in the application form.</p>
Foreign Languages	English
Further Information	<p>Prof.ssa Cinzia Domenicotti Università degli Studi di Genova DIMES - Sezione di Patologia Generale Via Leon Battista Alberti 2, 16132 Genova Cinzia.Domenicotti@unige.it www.dms.unige.it</p>

Course: NEUROSCIENCES**In agreement with the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia – IIT)****Curriculum: CLINICAL AND EXPERIMENTAL NEUROSCIENCES (CODE 10534)**

Course Coordinator: Nobili Lino	
Department of Neurosciences, Rehabilitation, Ophthalmology, Genetics and Mother and Child Sciences (Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili – DINOGMI)	
Places: 9 – Grants: 8 (*)	
(*) 4 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00. (*) 1 grant funded within D.M. 629 dated 24.04.2024 (Pubblica Amministrazione), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00 (CUP D32B24000470006) (*) 1 grant funded within D.M. 630 dated 24.04.2024 (co-funded by Istituto G.Gaslini), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00 (CUP D32B24000750008) (*) 1 grant funded within D.M. 630 dated 24.04.2024 (co-funded by Inselspital Bern), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00 (CUP D32B24000750008) (*) 1 grant funded by DINOGMI Dept. and ABBVIE Srl, the annual amount of the scholarship, including social security expenses to be paid by the recipient, is € 16,500 (°) 1 position reserved for Istituto G.Gaslini employee	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	25.07.2024 - 2pm The interview will take place in person in Clinica Neurologica, DINOGMI, Largo P. Daneo 3, Genova
Further information on how to present qualifications/publications	In the CV evaluation, the following items will be considered (according to relative importance): 1) Research project (an original research project in english signed by the candidate, on Neuroscience topics related to the research topics of the call, of a maximum of 10 pages (Arial 11 character). The project must include: Background and Rationale, Experimental Plan, Expected Results, Timeline of the Project, References); 2) Previous research work in the neuroscience field 3) Graduation score and degree thesis 4) Publications in scientific journals with IF 5) Recommendation letters 6) Prizes
Exam Syllabus	Description and defense of the research project proposed by the candidate.
Research Themes	FOR GRANTS FUNDED BY UNIVERSITÀ DEGLI STUDI DI GENOVA a) Neurology: multiple sclerosis and immuno-dependent CNS and PNS diseases, CNS degenerative diseases, epilepsy, sleep disorders, cerebrovascular diseases, extrapyramidal diseases and Parkinson disease; b) Psychiatry: affectivity disorders; obsessive compulsive disorder, schizophrenia, manic-depressive psychosis; c) Genetics of neurological disease; d) Developmental neurology: epilepsy, childhood cerebral palsy, autism spectrum disorder, extrapyramidal diseases, neuromuscular diseases; e) Neuroimaging: conventional MR and molecular imaging studies of neurological and psychiatric disorders; f) Neuropharmacology of dementias; g) Neurophysiology and neurobiology: cellular and molecular mechanisms of neurotransmission and synaptic plasticity, neuroscience-applied nanotechnologies; h) Adult stem cell biology and applications to the treatment of neurological disease; i) Neuro-oncology: role of cancer stem cells in the development of brain tumors and their pharmacological characterization. FOR GRANT FUNDED WITHIN D.M 629 – AMBITO PUBBLICA AMMINISTRAZIONE 1 GRANT referent Prof. De Grandis Elisa - co-funding Istituto G.Gaslini RESEARCH PROJECT: Digital Neuro-pediatric Innovations: Advancing Neuroscience in Pediatric Care

	<p>FOR GRANTS FUNDED WITHIN DM 630 – AMBITO DOTTORATI INNOVATIVI 1 GRANT referent Prof.Lino Nobili – co-funding Irccs Istituto G.Gaslini RESEARCH PROJECT: <i>Multimodal Assesment of children affected by drug-resistant epilepsy candidate to surgery.</i></p> <p>1 GRANT referent Prof.Lino Nobili – co-funding Inselspital Universitätsspital Bern RESEARCH PROJECT: <i>Sleep and Epilepsy</i></p> <p>FOR GRANT COFUNDED DINOGMI/ABBVIE SRL referent Prof. Angelo Schenone RESEARCH PROJECT: <i>Telematic management using artificial intelligence of the diagnostic-therapeutic path of the patient suffering from diabetic retinopathy aimed at identifying patients at risk of developing ocular complications.</i></p>
Information on references	<p>Candidates should provide at least one and no more than 3 recommendation letters in support of their application. Letters should be provided by University Professors or Experts in Neuroscience. Letters should be sent to the coordinator of the “Clinical and experimental Neuroscience curriculum”: Prof. Tullio Florio: tullio.florio@unige.it; and at the same time to Dr. Eleonora Broggi: eleonoraeugenia.broggi@unige.it Name and address of the scientists requested to send a recommendation letter should be clearly indicated in the admission request.</p>
Foreign Languages	English
Further Information	<p>Further information regarding the commitments and conditions envisaged for the winners of scholarships financed under Ministerial Decrees 629 and 630 are available in the Notice of competition for admission to the Doctorate</p> <p>Further information can be requested to the coordinator of the “Clinical and experimental Neuroscience curriculum”: Prof. Tullio Florio (tullio.florio@unige.it) or to Dr. Dr. Eleonora Broggi: eleonoraeugenia.broggi@unige.it (PhD Secretary Office)</p>

Course: NEUROSCIENCES

In agreement with the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia – IIT)

Curriculum: CLINICAL AND EXPERIMENTAL NEUROSCIENCES (CODE 10535)

Course Coordinator: Nobili Lino	
Department of Neurosciences, Rehabilitation, Ophthalmology, Genetics and Mother and Child Sciences (Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili – DINO GMI)	
Places: 2 – Grants: 2 (*)	
(*) 1 grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of IRCCS Policlinico San Martino under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be aid by the recipient, is € 17.500,00 Research project: <i>Study of the mechanisms of maternal immune activation in mouse models of neurodevelopment.</i>	
(*) 1 grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of Istituto G.Gaslini, under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500. Research project: <i>Monogenic and rare cerebrovascular diseases with onset in pediatric and neonatal age</i>	
Comparative assessment procedure	<p>QUALIFICATIONS/PUBLICATIONS AND EXAM</p> <ul style="list-style-type: none"> • Assessment of qualifications/publications and the curriculum vitae et studiorum • Written test (research project) • Interview that includes the description of the candidate’s research area of interest, also on the basis of previous activities stated in his/her scientific professional curriculum
Interview	<p>25.07.2024</p> <p>The interview will take place in person: Clinica Neurologica, DINO GMI, Largo P. Daneo 3, Genova</p>
Further information on how to present qualifications/publications	<p>Evaluation of qualifications will concern:</p> <ol style="list-style-type: none"> 1. Graduation marks of the second cycle (Master’s) degree 2. Curriculum Vitae (included graduation thesis in pdf format) 3. Research experience at universities or research centers 4. Scientific publications 5. Research program submitted by the applicant
Exam Syllabus	<p>The oral examination will be divided into two parts: 1) a scientific interview on the research topics of this PhD program, and on the applicant’s research project, that will be evaluated on the basis of project contents, design, feasibility, and relevance for research topics related to this notice of competition; and 2) a motivational interview.</p>
Research Themes	<p>The main research topics concern:</p> <ol style="list-style-type: none"> 1) improve knowledge in immunological tolerance abnormalities during neurodevelopment. The PhD student will acquire skills in the field of neuroimmunology with a particular focus on neurodevelopmental disorders. 2) investigation and development of “pathology-specific” diagnostic-therapeutic pathways for monogenic and rare cerebrovascular diseases with onset in pediatric and neonatal age.
Information on references	<p>Applicants must submit from one to three letters of referees to support their application, which have to be sent to:</p> <p>Prof. Tullio Florio: tullio.florio@unige.it and to: Dott.ssa Eleonora Broggi: eleonoraecugenia.broggi@unige.it</p>
Foreign Languages	English

Further Information	<p>Further information regarding the commitments and conditions envisaged for the winners of scholarships financed under PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) are available in the Notice of competition for admission to the Doctorate</p> <p>The winners of the Liguria Region scholarships will carry out their activities on Irccs San Martino and Irccs Istituto G. Gaslini fields. Months to be spent abroad: 0</p> <p>Further information can be requested to the coordinator of the “Clinical and experimental Neuroscience curriculum”: Prof. Tullio Florio (tullio.florio@unige.it) or to Dr. Eleonora Broggi: eleonoraeugenia.broggi@unige.it (PhD Secretary Office)</p>
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Course: NEUROSCIENCE**In Agreement with Istituto Italiano di Tecnologia (IIT)****Curriculum: NEUROSCIENCES AND NEUROTECHNOLOGIES (CODE 10536)**

Coordinator: Nobili Lino	
Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili (DINOEMI)	
Places: 5 – Grants: 5 [1]	
(*) 5 grants funded by the Italian Institute of Technology (IIT), the annual gross amount of the grant, including social security expenses to be paid by the recipient is € 17,500.00 [1]	
Methods of comparative evaluation	QUALIFICATIONS/PUBLICATIONS
Further information on how to prepare the application	<p>The following documents must be sent as described in the call text:</p> <p>a) title and brief description of the degree thesis;</p> <p>b) list of exams taken, with marks;</p> <p>c) postgraduate research activities (including abstracts at conferences and scientific publications);</p> <p>d) an original research project in English signed by the candidate, on Neuroscience topics related to the research topics of the call, of a maximum of 10 pages (Arial 11 character). The project must include: Background and Rationale, Experimental Plan, Expected Results, Timeline of the Project, References;</p> <p>e) names, qualification and affiliation of the referees, not less than 1 and not more than 3, who must send the reference letters on the candidate directly to the following mail address: rossana.ciancio@iit.it</p> <p>f) declaration of knowledge of English as used in the PhD school.</p>
Research themes:	<p>1) Synaptic determinants for valence-coding in amygdalo-hippocampal circuits. Tutor: Andrea Barberis andrea.barberis@iit.it</p> <p>2) Transcriptional reactivation of retina and visual cortex circuits to improve visual restoration by retinal prostheses in photoreceptor degeneration. Tutors: Elisabetta Colombo and Fabio Benfenati elisabetta.colombo@iit.it fabio.benfenati@iit.it</p> <p>3) Investigation of the cellular mechanisms of a rare autism spectrum disorder. Tutor: Laura Cancedda laura.cancedda@iit.it</p> <p>4) The CTNNB1 syndrome: a preclinical investigation. Tutor: Valter Tucci valter.tucci@iit.it</p> <p>5) Cell-targeted Biophotonic Nanoparticles for Vision Restoration [1] Tutor: Elisabetta Colombo, Stefano Di Marco and Fabio Benfenati elisabetta.colombo@iit.it fabio.benfenati@iit.it stefano.dimarco@iit.it</p>
Information about references	<p>Candidates must choose not less than one and not more than three Referees to support their application. These contacts must be University professors or experts in the field. The Referees must be responsible for sending the reference letters as pdf files, within the deadline of the call, to the contact person of the Curriculum in Neuroscience and Brain Technologies, Prof. Fabio Benfenati, to the following mail address: rossana.ciancio@iit.it</p> <p>In the application, candidates have to list the name, position and affiliation of the chosen Referees.</p>
Foreign language	English
Further information	For further information, please write to: rossana.ciancio@iit.it

[1] 1 position with grant added after the publication of the Notice of competition (D.R. 2882 dated 6.06.2024)

Course: NEUROSCIENCES

In agreement with the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia – IIT)

Curriculum: MOTORY AND SPORTS ACTIVITIES SCIENCES (CODE 10537)

Course Coordinator: Nobili Lino	
Department of Neurosciences, Rehabilitation, Ophthalmology, Genetics and Mother and Child Sciences (Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili – DINO GMI)	
Places: 3 – Grants: 2 (*)	
(*) 2 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500 (*) 1 position reserved for Fondazione Opera San Camillo - Torino employee.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	25/07/2024 2pm IN PRESENCE Human Physiology Dept. of Experimental Medicine Viale Benedetto XV, n. 3 I-16132 Genoa (Italy)
Further information on how to present qualifications/publications	Evaluation of qualifications will concern: 1. Graduation marks of the second cycle (Master's) degree 2. Curriculum Vitae (included graduation thesis in pdf format) 3. Research experience at universities or research centers 4. Scientific publications 5. Research program submitted by the applicant
Exam Syllabus	The oral examination will be divided into two parts: 1) a scientific interview on the research topics of this PhD program, and on the applicant's research project, that will be evaluated on the basis of project contents, design, feasibility, and relevance for research topics related to this notice of competition; and 2) a motivational interview.
Research Themes	The main research topics concern: 1) Motor performance, motor learning and sensorimotor integration, movement kinematics, postural analysis, morphological and functional imaging 2) Sport performance: methodological approach to sport performance, relationships between physiological parameters, training and physical performance; sports nutrition. 3) Psychophysiology applied to motor and sporting activities. Psychophysiology of sensorimotor learning and sports performance. Psychophysiological interventions aimed at improving sports performance.
Information on references	Applicants must submit from one to three letters of referees to support their application, which have to be sent to: Prof. Piero Ruggeri, e-mail: ruggeri@unige.it Tel.:+39 010-3538185 and to: Dott.ssa Eleonora Broggi: e-mail: eleonoraugenia.broggi@unige.it
Foreign Languages	English
Further Information	Further information can be requested to the coordinator of the “Motory and Sport Activities Science Curriculum” Prof. Piero Ruggeri, e-mail: ruggeri@unige.it and to Dott.ssa Eleonora Broggi: e-mail: eleonoraugenia.broggi@unige.it (PhD Secretary Office)

Course: NEUROSCIENCES

In agreement with the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia – IIT)

Curriculum: MOTORY AND SPORTS ACTIVITIES SCIENCES (CODE 10538)

Course Coordinator: Nobili Lino	
Department of Neurosciences, Rehabilitation, Ophthalmology, Genetics and Mother and Child Sciences (Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili – DINOEMI)	
Places: 1 – Grants: 1 (*)	
(*) 1 grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of FISM – under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00. Research project: <i>Fatigue and heart rate variability (HRV) in people with multiple sclerosis</i>	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND EXAM <ul style="list-style-type: none"> • Assessment of qualifications/publications and the curriculum vitae et studiorum • Written test (research project) • Interview that includes the description of the candidate's research area of interest, also on the basis of previous activities stated in his/her scientific professional curriculum
Interview	25/07/2024 Human Physiology Dept. of Experimental Medicine Viale Benedetto XV, n. 3 I-16132 Genoa (Italy)
Further information on how to present qualifications/publications	Evaluation of qualifications will concern: <ol style="list-style-type: none"> 1. Graduation marks of the second cycle (Master's) degree 2. Curriculum Vitae (included graduation thesis in pdf format) 3. Research experience at universities or research centers 4. Scientific publications 5. Research program submitted by the applicant
Exam Syllabus	The oral examination will be divided into two parts: 1) a scientific interview on the research topics of this PhD program, and on the applicant's research project, that will be evaluated on the basis of project contents, design, feasibility, and relevance for research topics related to this notice of competition; and 2) a motivational interview.
Research Themes	The main research topics concern: PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) 1) development of methodologies and technologies used for the study of adapted physical activities and the design and implementation of rehabilitation protocols for their adoption with people with multiple sclerosis
Information on references	Applicants must submit from one to three letters of referees to support their application, which have to be sent to: Prof. Piero Ruggeri, e-mail: ruggeri@unige.it Tel.:+39 010-3538185 and to: Dott.ssa Eleonora Broggi: e-mail: eleonoraegenia.broggi@unige.it
Foreign Languages	English
Further Information	Further information regarding the commitments and conditions envisaged for the winners of scholarships financed under PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) are available in the Notice of competition for admission to the Doctorate The winners of the Liguria Region scholarships will carry out their activities on FISM- Liguria field Months to be spent abroad: 0 For further information can be requested to: Dott.ssa Eleonora Broggi: e-mail: eleonoraegenia.broggi@unige.it (PhD Secretary Office)

**Course: PLANNING AND DECISION METHODS
(CODE 10539)**

Course Coordinator: Sciomachen Anna Franca	
Department of Economics (Dipartimento di Economia – DIEC)	
Places: 4 – Grants: 4 (*)	
(*) 3 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00 (*) 1 grant funded by Department (DIEC), the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00	
Comparative assessment procedure	<p>QUALIFICATIONS/PUBLICATIONS AND INTERVIEW</p> <ul style="list-style-type: none"> • Evaluation of qualifications and professional scientific curriculum • Evaluation of the research project presented • Interview including the illustration of the research activities of interest to the candidate, also on the basis of previous activities declared in the scientific-professional curriculum vitae
Interview	<p>23-07-2024, 9.30 a.m. at Department of Economics (DIEC), Genoa University, Genoa. In case of certified impossibility to be in presence, the interviews may also take place on-line with a Skype or Teams connection, video included to check identity.</p>
Further information on how to present qualifications/publications	<p>In the presentation of the curriculum vitae, it is important to highlight, as the following aspects will be used as evaluative parameters: publications (e.g., International Journals, International Conferences, Book Chapters), master’s degree grade (or equivalent title), work experience and skills acquired, possible awards. A research project proposal (other than the master’s thesis) must be attached and will be an integral part of the candidate's evaluation. In the research project it is important to highlight, as the following aspects will be used as evaluation parameters: Relevance to the research topics that appear in the call for papers, Originality, Method of execution, Feasibility, Clarity of exposition. The presentation of the research project, which should not exceed 5 pages, should identify the logical and methodological approach, research objectives and a preliminary state of the art.</p>
Exam Syllabus	<p>The interview will aim to verify the candidate's competence in relation to the listed research topics and the methodological ability to deal with research problems. In addition, the interview will also focus on the themes of the research project, inherent to the listed research themes, presented by the candidate. The interview will also take place in English. In the case of foreign candidates, the level of knowledge of the Italian language will be checked.</p>
Research Themes	<p>Skills related to the PhD course “Planning and Decision Methods” include all those disciplines that can support decision makers and combine the rationality of quantitative methods with the qualitative understanding of human decision making. Therefore, the committee will test the aptitude and interest in quantitative sciences applied to the development of the combined use of modeling, simulation, data analysis, algorithm, machine learning, reinforcement learning and artificial intelligence in a closed loop with Big Data for the analysis of complex systems, even on the edge. The required skills are therefore transdisciplinary, the fields of application of decision-making methods being multiple. Among them, of greatest interest for the PhD in Planning and Decision Methods are the following research areas: logistics and transport, autonomous vehicles, industry and industrial plants, energy generation and management, green transition, safety and security, humanitarian aid management, and public administration.</p> <p>Exclusively for the grant funded by DIEC within the research project “Performance evaluation framework for driving scenario databases”. It is required to develop an evaluation framework to assess performance of a platform consisting of a federation of driving scenario databases and related tools for automated driving. Performance will be evaluated under three main aspects: usability, technical assessment and interoperability. The project will define the metrics and measurement techniques to ensure an objective evaluation. Assessment will concern both the overall user experience and specific aspects of the single tools. The project will define the test procedures, including a feedback collection process to gather insights from end-users. The last phase will concern the analysis of the collected data.</p> <p>For more detailed information see the following web address: https://sedem.phd.unige.it/</p>

Information on references	Candidates must choose not less than one and not more than three referees to support their candidature. The referees must be university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the public notice, to the Coordinator of the Doctoral Course at the following addresses: sciomach@economia.unige.it . The name, status and service place of the referees chosen by the candidates must be stated in their applications. The candidates' aptitude for scientific research must emerge from the contents of the reference letters.
Foreign Languages	English
Further Information	During the three-year period (and, preferably, during the second year) doctoral students will have to spend abroad a period of the total duration of at least 6 months (possibly divided into 2 periods of 3 months each) to carry out in-depth activities in their respective fields of research.

**Course: PLANNING AND DECISION METHODS
(CODE 10540)**

Course Coordinator: Sciomachen Anna Franca	
Department of Economics (Dipartimento di Economia – DIEC)	
Places: 3 – Grants: 3 (*)	
<p>(*) 1 grant funded under REGIONAL PROGRAMME EUROPEAN SOCIAL FUND+ 2021-2027 PRIORITY 2 - EDUCATION AND TRAINING - ESO 4.6 (OS-f) in collaboration with and with the contribution of ASG Superconductors SPa., under condition of approval of the project and its funding; the annual amount of the grant, gross of social security charges borne by the recipient, is € 17,500. Project: Strategies for goods reception</p> <p>(*) 1 grant funded under REGIONAL PROGRAMME EUROPEAN SOCIAL FUND+ 2021-2027 PRIORITY 2 - EDUCATION AND TRAINING - ESO 4.6 (OS-f) in collaboration with and with the contribution of Zeta Soft., under condition of approval of the project and its funding; the annual amount of the grant, gross of social security charges borne by the recipient, is € 17,500. Project: AI & Big Data for Supply Chain replenishment</p> <p>(*) 1 grant funded under REGIONAL PROGRAMME EUROPEAN SOCIAL FUND+ 2021-2027 PRIORITY 2 - EDUCATION AND TRAINING - ESO 4.6 (OS-f) in collaboration with and with the contribution of BF Partners., under condition of approval of the project and its funding; the annual amount of the grant, gross of social security charges borne by the recipient, is € 17,500. Project: Optimisation models for prices and promotions in retail</p>	
Comparative assessment procedure	<p>QUALIFICATIONS/PUBLICATIONS AND EXAM</p> <ul style="list-style-type: none"> • Evaluation of qualifications and professional scientific curriculum • Evaluation of the research project presented • Interview including the illustration of the research activities of interest to the candidate, also on the basis of previous activities declared in the scientific-professional curriculum vitae
Interview	<p>23-07-2024, 9.30 a.m. at Department of Economics (DIEC), Genoa University, Genoa. In case of certified impossibility to be in presence, the interviews may also take place on-line with a Skype or Teams connection, video included to check identity.</p>
Further information on how to present qualifications/publications	<p>In the presentation of the curriculum vitae, it is important to highlight, as the following aspects will be used as evaluative parameters: publications (e.g., International Journals, International Conferences, Book Chapters), master’s degree grade (or equivalent title), work experience and skills acquired, possible awards. A research project proposal (other than the master’s thesis) must be attached and will be an integral part of the candidate's evaluation. In the research project it is important to highlight, as the following aspects will be used as evaluation parameters: Relevance to the research topics that appear in the call for application (Strategies for goods receipt o AI & Big Data for Supply Chain replenishment o Optimisation models for prices and promotions in retail), Originality, Method of execution, Feasibility, Clarity of exposition. The presentation of the research project, which should not exceed 5 pages, should identify the logical and methodological approach, research objectives and a preliminary state of the art.</p>
Exam Syllabus	<p>The interview will aim to verify the candidate's competence in relation to the listed research topics and the methodological ability to deal with research problems. In addition, the interview will also focus on the themes of the research project, inherent to the listed research themes, presented by the candidate. The interview will also take place in English. In the case of foreign candidates, the level of knowledge of the Italian language will be checked.</p>

<p>Research Themes</p>	<p>Skills related to the PhD course “Planning and Decision Methods” include all those disciplines that can support decision makers and combine the rationality of quantitative methods with the qualitative understanding of human decision making. Therefore, the committee will test the aptitude and interest in quantitative sciences applied to the development of the combined use of modeling, simulation, data analysis, algorithm, machine learning, reinforcement learning and artificial intelligence in a closed loop with Big Data for the analysis of complex systems, even on the edge. The required skills are therefore transdisciplinary, the fields of application of decision-making methods being multiple. Among them, of greatest interest for the PhD in Planning and Decision Methods are the following research areas: logistics and transport, autonomous vehicles, industry and industrial plants, energy generation and management, green transition, safety and security, humanitarian aid management, and public administration.</p> <p>Research project for grant within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f): Strategies for goods reception. The research refers to an industrial plant that produces superconductors, also for medical use. The quality standards required are very high in this production sector as, due to the high value of the product, no waste is allowed at the end of the cycle. The production process uses as raw materials parts machined or drawn (mechanical constructions), electronic material, superconducting wire, equipment, and ‘catalogue’ parts (screws, etc.).</p> <p>The project to be proposed by the candidate relates to the material incoming process and the quality management of incoming goods. The objective of the research is to improve the routing of the incoming component to the correct logic of incoming controls (free-pass, document control, physical control), based on historical data on suppliers, frequency of controls carried out and their outcome (defects, delays, costs due to lack of quality). The aim is to reduce operating costs (including costs for inspections and costs of any production delays) and to avoid bottlenecks. The candidate is asked how he/she would approach this research, dividing it into stages and identifying the activities and data required to output a logic for routing the incoming component to the correct control strategy (free-pass, document control, physical control). The project must include a brief state-of-the-art on the methodologies used to solve related problems.</p> <p>Research project for grant within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f): AI & Big Data for Supply Chain replenishment. The research refers to the development of an advanced software environment for the intelligent and autonomous automation of the procurement process of warehouses and points of sale, with a focus on large-scale distribution. The research and development project will have to focus on the use of artificial intelligence and business data modelling to create a tool capable of autonomously and automatically managing supply orders. This tool will have to be able to maintain the ability to predict orders over time by adapting to changes in market demands. The main objectives of the research include optimising business processes and improving the efficiency and accuracy of warehouse and logistics operations. The project should focus on technological innovation that can exploit the new opportunities offered by science and research to maintain the company's competitiveness. The project will be evaluated on its ability to improve the current situation in the management of warehouse and point-of-sale goods orders. Benchmarks will include: the ability to reduce out-of-stock situations, the reduction of waste and returns, the improvement of the alignment of stocks with sales flows.</p> <p>Research project for grant within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f): Optimisation models for prices and promotions in retail. The research relates to the analysis and development of a software environment for managing the assortment proposal in large-scale retail trade (GDO) to maximise financial elements such as profits or sales volumes. The research and development project is to focus on the use of Operations Research techniques, artificial intelligence and business data modelling in order to create a set of tools to pursue the objectives, not least the design of an appropriate user interface. The objective of the research is to identify which peculiar elements influence the merchandising process, with particular reference to continuous and promotional sales, such as prices or promotional discounts, not forgetting the competitive environment and the composition of the assortment. The project will be evaluated on its ability to address an integrated and user-friendly application solution, which will improve the processes of merchandising offer definition.</p> <p>For more detailed information see the following web address: https://sedem.phd.unige.it/</p>
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Information on references	Candidates must choose not less than one and not more than three referees to support their candidature. The referees must be university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the public notice, to the Coordinator of the Doctoral Course at the following addresses: sciomach@economia.unige.it . The name, status and service place of the referees chosen by the candidates must be stated in their applications. The candidates' aptitude for scientific research must emerge from the contents of the reference letters.
Foreign Languages	English
Further Information	Further information about commitments and conditions of the grants funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) are available in the Notice of competition (article 6, paragraph 6) Months to be spent abroad: 0 Months to be spent at the co-funding company: 12

Course: ROBOTICS AND INTELLIGENT MACHINES – Italian national doctorate

Dottorato di “interesse nazionale” in convenzione con Università degli Studi di NAPOLI Federico II; Università degli Studi di TRENTO, Università "Campus Bio-Medico" di ROMA, Università degli Studi di PADOVA, Libera Università di BOLZANO, Sapienza Università di ROMA, Università degli Studi della Campania "Luigi Vanvitelli", Università degli Studi di PALERMO, Università Politecnica delle MARCHE, Istituto Italiano di Tecnologia (IIT), Consiglio Nazionale delle Ricerche (CNR) e Scuola Superiore Sant'Anna.

Curriculum: AGRIFOOD (CODE 10541)

Coordinator: Cannata Giorgio	
Department of IT, Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi – DIBRIS)	
Places: 1 – Grants: 1 (*)	
(*) Research Topic nr. 1 , 1 grant funded by IIT, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 19.500 . [1]	
Comparative assessment procedure	<p>QUALIFICATIONS/PUBLICATIONS AND INTERVIEW</p> <p>26.07.2024 at 10:00 am</p> <p>More detailed information on the interview will be sent via email to all candidates admitted to the interview</p> <p>Candidates are ranked separately for each research Topic they applied.</p> <p>Step 1 – Assessment of qualifications (maximum 60 points). Candidates are ranked on the basis (not in order or relevance) of their student career, Curriculum Vitae, motivation letter, qualified scientific and technical skills, endorsement letters.</p> <p>Candidates are admitted to Step 2 if their score is greater than or equal to 40 points.</p> <p>Step 2 – Oral examination (maximum 60 points). The Candidates are expected to discuss about their qualifications and scientific and technical skills, and to show their motivation and attitude for scientific research. Then they are interviewed on the research Topic(s) they have applied for (see below) receiving a specific score for each interview.</p> <p>The oral examination for each research Topic is passed if the score is greater than or equal to 40 points.</p> <p>The final score is the sum of the scores in Step 1 and Step 2 (for each research Topic the candidate applied to).</p>
Further information on how to present qualifications/publications	<p>Candidates must:</p> <ul style="list-style-type: none"> – submit the complete list of all the exams sat during their Bachelor’s and Master’s degree and/or equivalents (BS, Master) specifying the average marks (GPA or equivalent indicator); – specify up to three research Topics of their interest (see the research Topics listed below and at Admission – Drim – Irim (i-rim.it)); – submit a motivation letter (Research project) related to one (or more) of the research Topics selected; use the template available at: Admission – Drim – Irim (i-rim.it) ; – submit a Curriculum Vitae including all the technical scientific studies/activities already done and pertinent to the doctoral program; – submit up to 3 recommendation letters from university professors or recognized experts in the field supporting the candidate;
Research Topics	<p>1. SENSORIZED SOFT HYBRID GRIPPERS FOR AGRICULTURAL APPLICATIONS – ISTITUTO ITALIANO DI TECNOLOGIA – HOSTING INSTITUTION</p> <p>For a complete description of the research Topics proposed check: Admission – Drim – Irim (i-rim.it)</p>

Information on references	Candidates must choose no more than three recommenders to endorse their candidature. The recommenders must be university professors or recognized experts in the field, and must upload the recommendation letters (specifying their name, role and affiliation), within the deadline of the public notice, to: https://forms.gle/TT4UwLqrj88Cban6
Foreign Languages	English
Further Information	<p>For more information about</p> <ul style="list-style-type: none"> - the research Topics please check the contact person indicated in the project Topics description file available at: Admission – Drim – Irim (i-rim.it) - the doctorate rules and structure please check: RULES – Drim – Irim (i-rim.it) CURRICULA AND TOPICS – Drim – Irim (i-rim.it) - for other enquiries contact the Doctorate Secretary: phd_drim@unige.it <p>A step-by-step guideline for the application is available here: https://unige.it/sites/contenuti.unige.it/files/documents/Guida_eng_XXXVII.pdf</p>

[1] Annual gross amount of the grant increased after the publication of the Notice of competition (D.R. 2882 dated 6.06.2024)

Course: ROBOTICS AND INTELLIGENT MACHINES – Italian national doctorate

Dottorato di “interesse nazionale” in convenzione con Università degli Studi di NAPOLI Federico II; Università degli Studi di TRENTO, Università "Campus Bio-Medico" di ROMA, Università degli Studi di PADOVA, Libera Università di BOLZANO, Sapienza Università di ROMA, Università degli Studi della Campania "Luigi Vanvitelli", Università degli Studi di PALERMO, Università Politecnica delle MARCHE, Istituto Italiano di Tecnologia (IIT), Consiglio Nazionale delle Ricerche (CNR) e Scuola Superiore Sant'Anna.

Curriculum: HEALTHCARE AND WELLNESS OF PERSONS (CODE 10542)

Coordinator: Cannata Giorgio	
Department of IT, Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi – DIBRIS)	
Places 12 – Grants: 12 (*)	
(*) Research Topics n. 1 and no. 3 , 2 University grants, of which the annual amount of the scholarship, gross of social security costs to be paid by the recipient, is € 19,500 .	
(*) Research Topic n. 2 , 1 grant financed by the DIBRIS Department (ARIA project, Proposal number: 24AARG-NTF-1200708, the annual amount of the grant, gross of social security costs to be paid by the recipient, is € 19,500 .	
(*) Research Topic no. 4 , 1 grant financed under the Ministerial Decree. 630 of 24.4.2024 (co-financed by RE-WING s.r.l.), subject to the approval of ministerial financing; the annual amount of the scholarship, gross of social security contributions to be paid by the recipient, is € 17,500 (CUP D32B24000810008)	
(*) Research Topics n. 5 and no. 6 , 2 grants financed by the Italian Institute of Technology (IIT), the annual amount of the scholarship, gross of social security contributions to be paid by the recipient, is € 19,500 .	
(*) Research Topic n. 7 , 1 grant financed entirely by the proposing associated party University of Campania Luigi Vanvitelli; the annual amount of the scholarship, gross of social security contributions to be paid by the recipient, is € 16,500 .	
(*) Research Topic n. 8 , 1 grant financed entirely by the proposing associated party Campus Bio-Medico University of Rome; (INAIL PR23-PAS-P3 - 3Daid++ project “Protesi di mano ed ausili robotici esoscheletrici a basso costo per bambini e adulti” CUP C83C23001060001); the annual amount of the scholarship, gross of social security contributions to be paid by the recipient, is € 16,500 .	
(*) Research Topic n. 9 , 1 grant financed entirely by the proposing associated party University of Palermo; the annual amount of the scholarship, gross of social security contributions to be paid by the recipient, is € 16,500 .	
(*) Research Topic n. 10 , 1 grant financed entirely by the proposing associated party University of Bolzano; the annual amount of the scholarship, gross of social security contributions to be paid by the recipient, is € 16,500 .	
(*) Research Topic no. 11 , 1 grant financed under the Ministerial Decree. 630 of 24.4.2024 (co-financed by ST-Microelectronics s.p.a. and carried out at Scuola Superiore S. Anna - Pisa), subject to ministerial funding approval; the annual amount of the scholarship, gross of social security contributions to be paid by the recipient, is € 19,500 (CUP D32B24000810008)	
(*) Research Topic no. 12 , 1 grant financed under the Ministerial Decree. 630 of 24.4.2024 (co-financed by Logogramma s.r.l., and carried out at the University of Naples Federico II), subject to the approval of ministerial funding; the annual amount of the scholarship, gross of social security contributions to be paid by the recipient, is € 16,500 (CUP D32B24000810008).	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW <u>26.07.2024 at 9:00 (CET)</u> More detailed information on the conduct of the interview will be sent via email to all candidates admitted to the interview Candidates are ranked separately for each research Topic they applied. Step 1 – Assessment of qualifications (maximum 60 points). Candidates are ranked on the basis (not in order or relevance) of their student career, Curriculum Vitae, motivation letter, qualified scientific and technical skills, endorsement letters. Candidates are admitted to Step 2 if their score is greater than or equal to 40 points. Step 2 – Oral examination (maximum 60 points). The Candidates are expected to discuss about their qualifications and scientific and technical

	<p>skills, and to show their motivation and attitude for scientific research. Then they are interviewed on the research Topic(s) they have applied for (see below) receiving a specific score for each interview.</p> <p>The oral examination for each research Topic is passed if the score is greater than or equal to 40 points.</p> <p>The final score is the sum of the scores in Step 1 and Step 2 (for each research Topic the candidate applied to).</p>
<p>Further information on how to present qualifications/publications</p>	<p>Candidates must:</p> <ul style="list-style-type: none"> – submit the complete list of all the exams sat during their Bachelor’s and Master’s degree and/or equivalents (BS, Master) specifying the average marks (GPA or equivalent indicator); – specify up to three research Topics of their interest (see the research Topics listed below and at Admission – Drim – Irim (i-rim.it)); – submit a motivation letter (Research project) related to one (or more) of the research Topics selected; use the template available at: Admission – Drim – Irim (i-rim.it) ; – submit a Curriculum Vitae including all the technical scientific studies/activities already done and pertinent to the doctoral program; – submit up to 3 recommendation letters from university professors or recognized experts in the field supporting the candidate;
<p>Research Topics</p>	<ol style="list-style-type: none"> 1. SOCIAL ROBOTS FOR BEHAVIORAL CHANGE – UNIVERSITÀ DEGLI STUDI DI GENOVA 2. ASSISTIVE ROBOTS FOR ALZHEIMER’S DISEASE – UNIVERSITÀ DEGLI STUDI DI GENOVA 3. DIVERSITY-AWARE ROBOTICS – UNIVERSITÀ DEGLI STUDI DI GENOVA 4. INNOVATIVE AI-BASED SYSTEM TO ENHANCE ROBOT-ASSISTED SENSORIMOTOR REHABILITATION – UNIVERSITÀ DI GENOVA 5. SHARED AUTONOMY OF SOFT ROBOTS FOR HEALTHCARE AND WELLNESS – ISTITUTO ITALIANO DI TECNOLOGIA 6. AI BASED CONTROL OF PROSTHETIC HANDS – ISTITUTO ITALIANO DI TECNOLOGIA 7. INNOVATIVE TECHNOLOGIES FOR ACTIVE PROSTHETIC HANDS – UNIVERSITÀ DELLA CAMPANIA 8. DESIGN OF CUSTOMIZED LOW-COST HAND PROSTHESIS AND ORTHOSIS – UNIVERSITÀ CAMPUS BIO-MEDICO DI ROMA 9. SOCIAL ROBOT ASSISTANT FOR INTELLIGENT HEALTH CARE – UNIVERSITÀ DEGLI STUDI DI PALERMO 10. INTELLIGENT ASSISTIVE WALKING SUPPORT AND FALL-PREVENTION – FREE UNIVERSITY OF BOZEN-BOLZANO 11. EDGE AI COMPUTING FOR INTELLIGENT MACHINES – SCUOLA SUPERIORE SANT’ANNA IN COLLABORATION WITH ST MICROELECTRONICS 12. CONTEXT AWARENESS FOR INTERACTION WITH SOCIAL ROBOTS - – UNIVERSITÀ DEGLI STUDI DI NAPOLI FEDERICO II <p>For a complete description of the research Topics proposed check: Admission – Drim – Irim (i-rim.it)</p>
<p>Information on references</p>	<p>Candidates must choose no more than three recommenders to endorse their candidature.</p>

	The recommenders must be university professors or recognized experts in the field, and must upload the recommendation letters (specifying their name, role and affiliation), within the deadline of the public notice, to: https://forms.gle/TT4UwLqrjf88Cban6
Foreign Languages	English
Further Information	<p>For more information about</p> <ul style="list-style-type: none"> - the research Topics please check the contact person indicated in the project Topics description file available at: Admission – Drim – Irim (i-rim.it) - the doctorate rules and structure please check: RULES – Drim – Irim (i-rim.it) CURRICULA AND TOPICS – Drim – Irim (i-rim.it) - for other enquiries contact the Doctorate Secretary: phd_drim@unige.it <p>A step-by-step guideline for the application is available here: https://unige.it/sites/contenuti.unige.it/files/documents/Guida_eng_XXXVII.pdf</p>

Course: ROBOTICS AND INTELLIGENT MACHINES – Italian national doctorate

Dottorato di “interesse nazionale” in convenzione con Università degli Studi di NAPOLI Federico II; Università degli Studi di TRENTO, Università "Campus Bio-Medico" di ROMA, Università degli Studi di PADOVA, Libera Università di BOLZANO, Sapienza Università di ROMA, Università degli Studi della Campania "Luigi Vanvitelli", Università degli Studi di PALERMO, Università Politecnica delle MARCHE, Istituto Italiano di Tecnologia (IIT), Consiglio Nazionale delle Ricerche (CNR) e Scuola Superiore Sant'Anna.

Curriculum: HOSTILE AND UNSTRUCTURED ENVIRONMENTS (CODE 10543)

Coordinator: Cannata Giorgio	
Department of IT, Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi – DIBRIS)	
Places: 11 – Grants: 11 (*)	
<p>(*) Research Topics n. 1, no. 2 and no. 4, 3 grants financed by the Italian Institute of Technology (IIT), the annual amount of the scholarship, gross of social security contributions to be paid by the recipient, is € 19,500. [1]</p> <p>(*) Research Topic n. 3, 1 grant financed by the Italian Institute of Technology (IIT, project is funded by INAIL in the context of the ergoCub-2.0 project – CUP J53C2400054005), the annual amount of the scholarship, gross of social security contributions to be paid by the recipient, is of € 19,500.</p> <p>(*) Research Topic n. 5, 1 grant financed by the Italian Institute of Technology (IIT, Robot Teleoperativo 3 project), the annual amount of the scholarship, gross of social security costs to be paid by the recipient, is € 19,500. [1]</p> <p>(*) Research Topic n. 6, 1 grant financed by the Italian Institute of Technology (IIT, Horizon Europe Program project euROBIN (https://www.eurobin-project.eu/ - CUP J53C2200210006), the annual amount of the grant, gross of social security contributions to be paid by the recipient, is € 19,500. [1]</p> <p>(*) Research Topic n. 7, 1 grant financed by the Italian Institute of Technology (IIT, Horizon Europe Program project HARIA (http://haria-project.eu/ - CUP J53C22002260006), the annual amount of the grant, gross of social security contributions to be paid by the recipient, is € 19,500. [1]</p> <p>(*) Research Topic n. 8, 1 grant financed under the Ministerial Decree. 630 of 24.4.2024 (co-financed by: ANcybernetics s.r.l.), subject to the approval of ministerial financing; the annual amount of the scholarship, gross of social security contributions to be paid by the recipient, is € 16,500 (CUP D32B24000810008).</p> <p>(*) Research Topic n. 9, 1 University grant, the annual amount of the scholarship, gross of social security contributions to be paid by the recipient, is € 19,500.</p> <p>(*) Research Topic n. 10, 1 grant co-financed by Department funds (DIBRIS, EU Project SOLARIS, Proposal number: 101146377, CUP D37G24000090006), the annual amount of the grant, gross of social security contributions to be paid by the recipient, is € 19,500.</p> <p>(*) Research Topic n. 11, 1 grant financed under the Ministerial Decree. 630 of 24.4.2024 (co-financed by: Graal Tech s.r.l.), subject to ministerial funding approval; the annual amount of the scholarship, gross of social security contributions to be paid by the recipient, is € 19,500 (CUP D32B24000810008).</p>	
Comparative assessment procedure	<p>QUALIFICATIONS/PUBLICATIONS AND INTERVIEW</p> <p>29.07.2024 at 9:00 (CET)</p> <p>More detailed information on the conduct of the interview will be sent via email to all candidates admitted to the interview</p> <p>Candidates are ranked separately for each research Topic they applied.</p> <p>Step 1 – Assessment of qualifications (maximum 60 points). Candidates are ranked on the basis (not in order or relevance) of their student career, Curriculum Vitae, motivation letter, qualified scientific and technical skills, endorsement letters.</p> <p>Candidates are admitted to Step 2 if their score is greater than or equal to 40 points.</p> <p>Step 2 – Oral examination (maximum 60 points). The Candidates are expected to discuss about their qualifications and scientific and technical skills, and to show their motivation and attitude for scientific research. Then they are</p>

	<p>interviewed on the research Topic(s) they have applied for (see below) receiving a specific score for each interview.</p> <p>The oral examination for each research Topic is passed if the score is greater than or equal to 40 points.</p> <p>The final score is the sum of the scores in Step 1 and Step 2 (for each research Topic the candidate applied to).</p>
Further information on how to present qualifications/publications	<p>Candidates must:</p> <ul style="list-style-type: none"> – submit the complete list of all the exams sat during their Bachelor’s and Master’s degree and/or equivalents (BS, Master) specifying the average marks (GPA or equivalent indicator); – specify up to three research Topics of their interest (see the research Topics listed below and at Admission – Drim – Irim (i-rim.it)); – submit a motivation letter (Research project) related to one (or more) of the research Topics selected; use the template available at: Admission – Drim – Irim (i-rim.it) ; – submit a Curriculum Vitae including all the technical scientific studies/activities already done and pertinent to the doctoral program; – submit up to 3 recommendation letters from university professors or recognized experts in the field supporting the candidate;
Research Topics	<ol style="list-style-type: none"> 1. NEUROMORPHIC EMBODIED INTELLIGENCE: FROM SENSING TO ACTUATION – ISTITUTO ITALIANO DI TECNOLOGIA 2. MANIPULATION WITHOUT TOOLS INSPIRED FROM THE ELEPHANT TRUNK – ISTITUTO ITALIANO DI TECNOLOGIA 3. CONTROL OF ANTHROPOMORPHIC HANDS FOR COLLABORATIVE TASKS – ISTITUTO ITALIANO DI TECNOLOGIA 4. SPACE EXPLORATION WITH LEGGED ROBOTS: LEARNING FOR LOCOMOTION AND PERCEPTION – ISTITUTO ITALIANO DI TECNOLOGIA 5. LEARNING LOCO-MANIPULATION SKILLS FOR AGILE QUADRUPED ROBOTS – ISTITUTO ITALIANO DI TECNOLOGIA 6. AUTONOMOUS LOCO-MANIPULATION PLANNING AND CONTROL FOR LEGGED ROBOTS – ISTITUTO ITALIANO DI TECNOLOGIA 7. INTELLIGENT END-EFFECTOR EMBODIMENT AND AUTONOMOUS MANIPULATION CONTROL PRINCIPLES – ISTITUTO ITALIANO DI TECNOLOGIA 8. MARINE BIOMIMETIC CYBER-PHYSICAL SYSTEM(S) FOR OCEAN DOCUMENTATION – UNIVERSITÀ POLITECNICA DELLE MARCHE 9. AUTONOMOUS QUADRUPED ROBOTS: NEW CHALLENGES IN HOSTILE AND UNSTRUCTURED ENVIRONMENTS – UNIVERSITY OF GENOVA 10. AERIAL DRONES FOR MONITORING LARGE PHOTOVOLTAIC PLANTS – UNIVERSITY OF GENOVA 11. OPTIMIZING AUV TEAMS THROUGH HETEROGENEOUS SENSOR INTEGRATION – GRAAL TECH S.R.L. AND UNIVERSITY OF GENOVA <p>For a complete description of the research Topics proposed check: Admission – Drim – Irim (i-rim.it)</p>
Information on references	<p>Candidates must choose no more than three recommenders to endorse their candidature. The recommenders must be university professors or recognized experts in the field, and must upload the recommendation letters (specifying their name, role and affiliation), within the deadline of the public notice, to: https://forms.gle/TT4UwLqrjf88Cban6</p>
Foreign Languages	English

Further Information	<p>For more information about</p> <ul style="list-style-type: none">- the research Topics please check the contact person indicated in the project Topics description file available at: Admission – Drim – Irim (i-rim.it)- the doctorate rules and structure please check: RULES – Drim – Irim (i-rim.it) CURRICULA AND TOPICS – Drim – Irim (i-rim.it)- other enquiries contact the Doctorate Secretary: phd_drim@unige.it <p>A step-by-step guideline for the application is available here: https://unige.it/sites/contenuti.unige.it/files/documents/Guida_eng_XXXVII.pdf</p>
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[1] Annual gross amount of the grant increased after the publication of the Notice of competition (D.R. 2882 dated 6.06.2024)

Course: ROBOTICS AND INTELLIGENT MACHINES – Italian national doctorate

Dottorato di “interesse nazionale” in convenzione con Università degli Studi di NAPOLI Federico II; Università degli Studi di TRENTO, Università "Campus Bio-Medico" di ROMA, Università degli Studi di PADOVA, Libera Università di BOLZANO, Sapienza Università di ROMA, Università degli Studi della Campania "Luigi Vanvitelli", Università degli Studi di PALERMO, Università Politecnica delle MARCHE, Istituto Italiano di Tecnologia (IIT), Consiglio Nazionale delle Ricerche (CNR) e Scuola Superiore Sant'Anna.

Curriculum: INDUSTRY 4.0 (CODE 10544)

Coordinator: Cannata Giorgio	
Department of IT, Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi – DIBRIS)	
Places: 8 – Grants: 8 (*) [2]	
(*) Research topic no. 1 , 1 grant financed by the Italian Institute of Technology (IIT), the annual amount of the scholarship, gross of social security contributions to be paid by the recipient, is € 19,500 . [1]	
(*) Research topic no. 2 , 1 grant financed by the Italian Institute of Technology (IIT), the annual amount of the scholarship, gross of social security contributions to be paid by the recipient, is € 19,500 . [1]	
(*) Research topic no. 3 , 1 grant financed by the Italian Institute of Technology (IIT) (EU project AUTOMATA – CUP J53C24000960006), the annual amount of the scholarship, gross of social security contributions to be paid by the recipient, is € 19,500 .	
(*) Research topic no. 4 , 1 University grant, the annual amount of the scholarship, gross of social security contributions to be paid by the recipient, is € 19,500 .	
(*) Research topic no. 6 , 1 grant financed under the Ministerial Decree. 629 of 24.4.2024 (PNRR scope, at University of Genova), subject to the approval of ministerial financing; the annual amount of the scholarship, gross of social security contributions to be paid by the recipient, is € 17,500 (CUP D32B24000530006).	
(*) Research topic no. 7 , 1 grant financed entirely by the proposing associated party University of Rome La Sapienza; the annual amount of the scholarship, gross of social security contributions to be paid by the recipient, is € 16,500 .	
(*) Research topic no. 10 , 1 grant financed under the Ministerial Decree. 629 of 24.4.2024 (PNRR scope, at University of Trento), subject to the approval of ministerial financing; the annual amount of the scholarship, gross of social security contributions to be paid by the recipient, is € 16,500 (CUP D32B24000530006).	
(*) Research topic no. 11 , 1 grant financed by Leonardo S.p.A., the annual amount of the scholarship, gross of social security contributions to be paid by the recipient, is € 19,500 . [2]	
Comparative assessment procedure	<p>QUALIFICATIONS/PUBLICATIONS AND INTERVIEW</p> <p><u>22.07.2024 at 9:30 (CET)</u></p> <p>More detailed information on the conduct of the interview will be sent via email to all candidates admitted to the interview</p> <p>Candidates are ranked separately for each research Topic they applied.</p> <p>Step 1 – Assessment of qualifications (maximum 60 points). Candidates are ranked on the basis (not in order or relevance) of their student career, Curriculum Vitae, motivation letter, qualified scientific and technical skills, endorsement letters.</p> <p>Candidates are admitted to Step 2 if their score is greater than or equal to 40 points.</p> <p>Step 2 – Oral examination (maximum 60 points). The Candidates are expected to discuss about their qualifications and scientific and technical skills, and to show their motivation and attitude for scientific research. Then they are interviewed on the research Topic(s) they have applied for (see below) receiving a specific score for each interview.</p> <p>The oral examination for each research Topic is passed if the score is greater than or equal to 40 points.</p> <p>The final score is the sum of the scores in Step 1 and Step 2 (for each research Topic the candidate applied to).</p>

Further information on how to present qualifications/publications	<p>Candidates must:</p> <ul style="list-style-type: none"> - submit the complete list of all the exams sat during their Bachelor's and Master's degree and/or equivalents (BS, Master) specifying the average marks (GPA or equivalent indicator); - specify up to three research Topics of their interest (see the research Topics listed below and at Admission – Drim – Irim (i-rim.it)); - submit a motivation letter (Research project) related to one (or more) of the research Topics selected; use the template available at: Admission – Drim – Irim (i-rim.it) ; - submit a Curriculum Vitae including all the technical scientific studies/activities already done and pertinent to the doctoral program; - submit up to 3 recommendation letters from university professors or recognized experts in the field supporting the candidate;
Research Topics	<ol style="list-style-type: none"> 1. LEARNING AND CONTROL FOR INTERACTIVE ROBOTS – ISTITUTO ITALIANO DI TECNOLOGIA 2. MACHINE LEARNING FOR HUMAN MONITORING AND ACTIVITY RECOGNITION – ISTITUTO ITALIANO DI TECNOLOGIA 3. SOFT ROBOTICS FOR ARCHEOLOGY – ISTITUTO ITALIANO DI TECNOLOGIA 4. IMPLEMENTATION OF DUAL ARM MANIPULATION FOR HUMAN-ROBOT COOPERATIVE OPERATIONS – UNIVERSITÀ DI GENOVA 6. COGNITIVE ROBOT ARCHITECTURES BASED ON PREDICTION MACHINE THEORY – UNIVERSITY OF GENOA 7. SAFE HUMAN-ROBOT COLLABORATION FOR MANIPULATION - SAPIENZA UNIVERSITÀ DI ROMA (UNIROMA1) 10. KNOWSUM: KNOWLEDGE SUMMARIZATION WITH COGNITIVE SCIENCE, ARTIFICIAL INTELLIGENCE AND KNOWLEDGE GRAPHS 11. ROBUST AND EFFICIENT ROBOTIC PLATFORMS FOR VERSATILE APPLICATIONS [2] <p>For a complete description of the research Topics proposed check: Admission – Drim – Irim (i-rim.it)</p>
Information on references	<p>Candidates must choose no more than three recommenders to endorse their candidature. The recommenders must be university professors or recognized experts in the field, and must upload the recommendation letters (specifying their name, role and affiliation), within the deadline of the public notice, to: https://forms.gle/TT4UwLqrj88Cban6</p>
Foreign Languages	<p>English</p>
Further Information	<p>For more information about</p> <ul style="list-style-type: none"> - the research Topics please check the contact person indicated in the project Topics description file available at: Admission – Drim – Irim (i-rim.it) - the doctorate rules and structure please check: RULES – Drim – Irim (i-rim.it) CURRICULA AND TOPICS – Drim – Irim (i-rim.it) - for other enquiries contact the Doctorate Secretary: phd_drim@unige.it <p>A step-by-step guideline for the application is available here: https://unige.it/sites/contenuti.unige.it/files/documents/Guida_eng_XXXVII.pdf</p>

[1] Annual gross amount of the grant increased after the publication of the Notice of competition (D.R. 2882 dated 6.06.2024)

[2] Position with grant added after the publication of the Notice of competition (D.R. 2882 dated 6.06.2024)

Course: ROBOTICS AND INTELLIGENT MACHINES – Italian national doctorate

Dottorato di “interesse nazionale” in convenzione con Università degli Studi di NAPOLI Federico II; Università degli Studi di TRENTO, Università "Campus Bio-Medico" di ROMA, Università degli Studi di PADOVA, Libera Università di BOLZANO, Sapienza Università di ROMA, Università degli Studi della Campania "Luigi Vanvitelli", Università degli Studi di PALERMO, Università Politecnica delle MARCHE, Istituto Italiano di Tecnologia (IIT), Consiglio Nazionale delle Ricerche (CNR) e Scuola Superiore Sant'Anna.

Curriculum: INDUSTRY 4.0 (CODE 10545)

Coordinator: Cannata Giorgio	
Department of IT, Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi – DIBRIS)	
Places: 3 – Grants: 3 (*)	
(*) of which 1 grant financed under the REGIONAL PROGRAM EUROPEAN SOCIAL FUND+ 2021-2027 PRIORITY 2 - EDUCATION AND TRAINING - ESO 4.6 (OS-f) in collaboration and with the contribution of Leonardo s.p.a., subject to the approval of the project and related financing; the annual amount of the scholarship, gross of social security contributions to be paid by the recipient, is € 19,500 . Project: ADVANCED INTEGRATION OF PERCEPTION AND NAVIGATION SYSTEMS FOR UNSTRUCTURED ENVIRONMENTS IN COORDINATION WITH HUMAN BEINGS – LEONARDO S.P.A. AND UNIVERSITY OF GENOA.	
(*) of which 1 grant financed under the REGIONAL PROGRAM EUROPEAN SOCIAL FUND+ 2021-2027 PRIORITY 2 - EDUCATION AND TRAINING - ESO 4.6 (OS-f) in collaboration and with the contribution of Leonardo s.p.a., subject to the approval of the project and related financing; the annual amount of the scholarship, gross of social security contributions to be paid by the recipient, is € 19,500 . Project: QUADRUPEDAL LOCOMOTION AND NAVIGATION ON UNSTRUCTURED SCENARIOS – LEONARDO S.P.A. AND UNIVERSITY OF GENOA	
(*) of which 1 grant financed under the REGIONAL PROGRAM EUROPEAN SOCIAL FUND+ 2021-2027 PRIORITY 2 - EDUCATION AND TRAINING - ESO 4.6 (OS-f) in collaboration and with the contribution of Leonardo s.p.a., subject to approval of the project and its financing; the annual amount of the scholarship, gross of social security contributions to be paid by the recipient, is € 19,500 . Project: HUMAN/ROBOT COLLABORATION IN COOPERATIVE ASSEMBLY TASKS – LEONARDO S.P.A. AND UNIVERSITY OF GENOA	
Comparative assessment procedure	<p>QUALIFICATIONS/PUBLICATIONS AND EXAM</p> <ul style="list-style-type: none"> • Assessment of qualifications/publications and the curriculum vitae et studiorum • Written test (research project) • Interview that includes the description of the candidate’s research area of interest, also on the basis of previous activities stated in his/her scientific professional curriculum
Interview	<p><u>22.07.2024 at 9:30 (CET)</u></p> <p>More detailed information on the conduct of the interview will be sent via email to all candidates admitted to the interview</p> <p>Candidates are ranked separately for each research Topic they applied.</p> <p>Step 1 – Assessment of qualifications (maximum 60 points). Candidates are ranked on the basis (not in order or relevance) of their student career, Curriculum Vitae, motivation letter, qualified scientific and technical skills, endorsement letters.</p> <p>Candidates are admitted to Step 2 if their score is greater than or equal to 40 points.</p> <p>Step 2 – Oral examination (maximum 60 points). The Candidates are expected to discuss about their qualifications and scientific and technical skills, and to show their motivation and attitude for scientific research. Then they are interviewed on the research Topic(s) they have applied for (see below) receiving a specific score for each interview.</p> <p>The oral examination for each research Topic is passed if the score is greater than or equal to 40 points.</p> <p>The final score is the sum of the scores in Step 1 and Step 2 (for each research Topic the candidate applied to).</p>

Further information on how to present qualifications/publications	<p>Candidates must:</p> <ul style="list-style-type: none"> - submit the complete list of all the exams sat during their Bachelor’s and Master’s degree and/or equivalents (BS, Master) specifying the average marks (GPA or equivalent indicator); - specify up to three research Topics of their interest (see the research Topics listed below and at <u>Admission – Drim – Irim (i-rim.it)</u>); - submit a motivation letter (Research project) related to one (or more) of the research Topics selected; use the template available at: <u>Admission – Drim – Irim (i-rim.it)</u> ; - submit a Curriculum Vitae including all the technical scientific studies/activities already done and pertinent to the doctoral program; - submit up to 3 recommendation letters from university professors or recognized experts in the field supporting the candidate;
Research Topics	<p>Grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f)</p> <p>5. ADVANCED INTEGRATION OF PERCEPTION AND NAVIGATION SYSTEMS FOR UNSTRUCTURED ENVIRONMENTS IN COORDINATION WITH HUMAN BEINGS – LEONARDO S.P.A. AND UNIVERSITY OF GENOVA.</p> <p>8. QUADRUPEDAL LOCOMOTION AND NAVIGATION ON UNSTRUCTURED SCENARIOS – LEONARDO S.P.A. AND UNIVERSITY OF GENOVA</p> <p>9. HUMAN/ROBOT COLLABORATION IN COOPERATIVE ASSEMBLY TASKS – LEONARDO S.P.A. AND UNIVERSITY OF GENOVA</p> <p>For a complete description of the research Topics proposed check: <u>Admission – Drim – Irim (i-rim.it)</u></p>
Information on references	<p>Candidates must choose no more than three recommenders to endorse their candidature. The recommenders must be university professors or recognized experts in the field, and must upload the recommendation letters (specifying their name, role and affiliation), within the deadline of the public notice, to: <u>https://forms.gle/TT4UwLqrjf88Cban6</u></p>
Foreign Languages	<p>English</p>
Further Information	<p>For more information about</p> <ul style="list-style-type: none"> - the research Topics please check the contact person indicated in the project Topics description file available at: <u>Admission – Drim – Irim (i-rim.it)</u> - the doctorate rules and structure please check: <u>RULES – Drim – Irim (i-rim.it)</u> <u>CURRICULA AND TOPICS – Drim – Irim (i-rim.it)</u> - for other enquiries contact the Doctorate Secretary: <u>phd_drim@unige.it</u> <p>A step-by-step guideline for the application is available here: <u>https://unige.it/sites/contenuti.unige.it/files/documents/Guida_eng_XXXVII.pdf</u></p> <p>Further information about commitments and conditions of the grants funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) are available in the Notice of competition (article 6, paragraph 6)</p> <p>Months to be spent abroad: 0</p>

Course: ROBOTICS AND INTELLIGENT MACHINES – Italian national doctorate

Dottorato di “interesse nazionale” in convenzione con Università degli Studi di NAPOLI Federico II; Università degli Studi di TRENTO, Università "Campus Bio-Medico" di ROMA, Università degli Studi di PADOVA, Libera Università di BOLZANO, Sapienza Università di ROMA, Università degli Studi della Campania "Luigi Vanvitelli", Università degli Studi di PALERMO, Università Politecnica delle MARCHE, Istituto Italiano di Tecnologia (IIT), Consiglio Nazionale delle Ricerche (CNR) e Scuola Superiore Sant'Anna.

Curriculum: INSPECTION AND MAINTENANCE OF INFRASTRUCTURES (CODE 10546)

Coordinator: Cannata Giorgio	
Department of IT, Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi – DIBRIS)	
Places: 2 – Grants: 2 (*)	
(*) Research topic no. 1 , 1 grant financed by the Italian Institute of Technology (IIT) (Horizon Europe Programme project euROBIN (https://www.eu robin-project.eu/ - CUP J53C22002180006), the annual amount of the scholarship, gross of social security costs to be paid by the recipient, is € 19,500 . [1]	
(*) Research topic no. 2 , 1 grant financed under the Ministerial Decree. 630 of 24.4.2024 (co-financed by: TENOVA s.p.a.), subject to the approval of ministerial financing; the annual amount of the scholarship, gross of social security contributions to be paid by the recipient, is € 17,500 (CUP D32B24000810008).	
Comparative assessment procedure	<p>QUALIFICATIONS/PUBLICATIONS AND INTERVIEW</p> <p>26.07.2024 at 15:00 (CET)</p> <p>More detailed information on the conduct of the interview will be sent via email to all candidates admitted to the interview</p> <p>Candidates are ranked separately for each research Topic they applied.</p> <p>Step 1 – Assessment of qualifications (maximum 60 points). Candidates are ranked on the basis (not in order of relevance) of their student career, Curriculum Vitae, motivation letter, qualified scientific and technical skills, endorsement letters.</p> <p>Candidates are admitted to Step 2 if their score is greater than or equal to 40 points.</p> <p>Step 2 – Oral examination (maximum 60 points). The Candidates are expected to discuss about their qualifications and scientific and technical skills, and to show their motivation and attitude for scientific research. Then they are interviewed on the research Topic(s) they have applied for (see below) receiving a specific score for each interview.</p> <p>The oral examination for each research Topic is passed if the score is greater than or equal to 40 points.</p> <p>The final score is the sum of the scores in Step 1 and Step 2 (for each research Topic the candidate applied to)</p>
Further information on how to present qualifications/publications	<p>Candidates must:</p> <ul style="list-style-type: none"> – submit the complete list of all the exams sat during their Bachelor’s and Master’s degree and/or equivalents (BS, Master) specifying the average marks (GPA or equivalent indicator); – specify up to three research Topics of their interest (see the research Topics listed below and at Admission – Drim – Irim (i-rim.it)); – submit a motivation letter (Research project) related to one (or more) of the research Topics selected; use the template available at: Admission – Drim – Irim (i-rim.it) ; – submit a Curriculum Vitae including all the technical scientific studies/activities already done and pertinent to the doctoral program; – submit up to 3 recommendation letters from university professors or recognized experts in the field supporting the candidate;
Research Topics	1. AUTONOMOUS INTERACTION CONTROL FOR HIGH FIDELITY SURFACE

	<p>POLISHING TASKS – ISTITUTO ITALIANO DI TECNOLOGIA</p> <p>2. METHODS AND TECHNIQUES FOR ROBOTIZED GRAB SHIP UNLOADERS – UNIVERSITY OF GENOA AND TENOVA SPA</p> <p>For a complete description of the research Topics proposed check: Admission – Drim – Irim (i-rim.it)</p>
Information on references	<p>Candidates must choose no more than three recommenders to endorse their candidature. The recommenders must be university professors or recognized experts in the field, and must upload the recommendation letters (specifying their name, role and affiliation), within the deadline of the public notice, to: https://forms.gle/TT4UwLqrjf88Cban6</p>
Foreign Languages	English
Further Information	<p>For more information about</p> <ul style="list-style-type: none"> - the research Topics please check the contact person indicated in the project Topics description file available at: Admission – Drim – Irim (i-rim.it) - the doctorate rules and structure please check: RULES – Drim – Irim (i-rim.it) CURRICULA AND TOPICS – Drim – Irim (i-rim.it) - for other enquiries contact the Doctorate Secretary: phd_drim@unige.it <p>A step-by-step guideline for the application is available here: https://unige.it/sites/contenuti.unige.it/files/documents/Guida_eng_XXXVII.pdf</p>

[1] Annual gross amount of the grant increased after the publication of the Notice of competition (D.R. 2882 dated 6.06.2024)

Course: ROBOTICS AND INTELLIGENT MACHINES – Italian national doctorate

Dottorato di “interesse nazionale” in convenzione con Università degli Studi di NAPOLI Federico II; Università degli Studi di TRENTO, Università "Campus Bio-Medico" di ROMA, Università degli Studi di PADOVA, Libera Università di BOLZANO, Sapienza Università di ROMA, Università degli Studi della Campania "Luigi Vanvitelli", Università degli Studi di PALERMO, Università Politecnica delle MARCHE, Istituto Italiano di Tecnologia (IIT), Consiglio Nazionale delle Ricerche (CNR) e Scuola Superiore Sant'Anna.

Curriculum: MOBILITY AND AUTONOMOUS VEHICLES (CODE 10547)

Coordinator: Cannata Giorgio	
Department of IT, Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi – DIBRIS)	
Places: 1 – Grants: 1 (*)	
(*) Research topic no. 1 , 1 grant financed under the Ministerial Decree. 629 of 24.4.2024 (Public Administration area, at the University of Padua), subject to the approval of ministerial funding; the annual amount of the grant, gross of social security contributions to be paid by the recipient, is € 16.500 (CUP D32B24000520006)	
Comparative assessment procedure	<p>QUALIFICATIONS/PUBLICATIONS AND INTERVIEW</p> <p><u>26.07.2024 at 15:00 (CET)</u></p> <p>More detailed information on the conduct of the interview will be sent via email to all candidates admitted to the interview</p> <p>Candidates are ranked separately for each research Topic they applied.</p> <p>Step 1 – Assessment of qualifications (maximum 60 points). Candidates are ranked on the basis (not in order or relevance) of their student career, Curriculum Vitae, motivation letter, qualified scientific and technical skills, endorsement letters.</p> <p>Candidates are admitted to Step 2 if their score is greater than or equal to 40 points.</p> <p>Step 2 – Oral examination (maximum 60 points). The Candidates are expected to discuss about their qualifications and scientific and technical skills, and to show their motivation and attitude for scientific research. Then they are interviewed on the research Topic(s) they have applied for (see below) receiving a specific score for each interview.</p> <p>The oral examination for each research Topic is passed if the score is greater than or equal to 40 points.</p> <p>The final score is the sum of the scores in Step 1 and Step 2 (for each research Topic the candidate applied to).</p>
Further information on how to present qualifications/publications	<p>Candidates must:</p> <ul style="list-style-type: none"> – submit the complete list of all the exams sat during their Bachelor’s and Master’s degree and/or equivalents (BS, Master) specifying the average marks (GPA or equivalent indicator); – specify up to three research Topics of their interest (see the research Topics listed below and at Admission – Drim – Irim (i-rim.it)); – submit a motivation letter (Research project) related to one (or more) of the research Topics selected; use the template available at: Admission – Drim – Irim (i-rim.it) ; – submit a Curriculum Vitae including all the technical scientific studies/activities already done and pertinent to the doctoral program; – submit up to 3 recommendation letters from university professors or recognized experts in the field supporting the candidate;
Research Topics	1. PERCEPTION, PLANNING, AND CONTROL OF MULTI-ROBOT RESILIENT

	<p>SYSTEMS WITH AUTONOMY, ADAPTABILITY, ROBUSTNESS, AND SAFETY REQUIREMENTS, WITH APPLICATIONS TO INSPECTION, MAPPING, MONITORING REALISTIC SCENARIOS – UNIVERSITY OF PADOVA</p> <p>For a complete description of the research Topics proposed check: Admission – Drim – Irim (i-rim.it)</p>
Information on references	<p>Candidates must choose no more than three recommenders to endorse their candidature. The recommenders must be university professors or recognized experts in the field, and must upload the recommendation letters (specifying their name, role and affiliation), within the deadline of the public notice, to: https://forms.gle/TT4UwLqrf88Cban6</p>
Foreign Languages	<p>English</p>
Further Information	<p>For more information about</p> <ul style="list-style-type: none"> - the research Topics please check the contact person indicated in the project Topics description file available at: Admission – Drim – Irim (i-rim.it) - the doctorate rules and structure please check: RULES – Drim – Irim (i-rim.it) CURRICULA AND TOPICS – Drim – Irim (i-rim.it) - for other enquiries contact the Doctorate Secretary: phd_drim@unige.it <p>A step-by-step guideline for the application is available here: https://unige.it/sites/contenuti.unige.it/files/documents/Guida_eng_XXXVII.pdf</p>

Course: HEALTH SCIENCES

Curriculum: BIOSTATISTICS AND METHODS FOR ANALYSIS OF BIG DATA (CODE 10548)

Course Coordinator: Izzotti Alberto	
Department of Health Sciences (Dipartimento di Scienze della Salute – DISSAL)	
Places: 1 - Grants: 1 (*)	
(*) 1 grant funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	29.07.2024 at 10:00 am remotely on Microsoft Teams
Further information on how to present qualifications/publications	Remember that by qualifications we mean the information contained in the application and in the curriculum vitae et studiorum, the research project, the further qualifications. The latter must not exceed ten pages each.
Exam Syllabus	The tests will focus on topics related to research topics.
Research Themes	<ol style="list-style-type: none">1. Models for the study of prognostic factors, effect modifiers and surrogate endpoints2. Meta analysis3. Models for the study of disability trajectories4. Methodological problems in the quantitative study of disease progression in chronic diseases5. Early markers of prognosis and response to treatment6. Methods for Big Data Analysis
Information on references	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the public notice, to the contact person of the Doctoral Course Prof. Maria Pia Sormani at the following address: mariapia.sormani@unige.it The name, status and service place of the referees, chosen by the candidates, must be stated in their applications.
Foreign Languages	English
Further Information	Administrative contact person: Giuseppe Zara E-mail: giuseppe.zara@unige.it

Course: HEALTH SCIENCES**Curriculum: EPIDEMIOLOGY AND VACCINE PREVENTION (CODE 10549)**

Course Coordinator:	Izzotti Alberto
	Department of Health Sciences (Dipartimento di Scienze della Salute – DISSAL)
Places: 1 – Grants: 1 (*)	
	(*) 1 grant cofunded by MUR/Department (DISSAL), the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00.
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	29.07.2024 at 10:00 am remotely on Microsoft Teams
Further information on how to present qualifications/publications	Remember that by qualifications we mean the information contained in the application and in the curriculum vitae et studiorum, the research project, the further qualifications. The latter must not exceed ten pages each.
Exam Syllabus	The tests will focus on topics related to research themes.
Research Themes	<ol style="list-style-type: none"> 1. Epidemiology of communicable diseases preventable by vaccination - Design, organization and evaluation of systems clinical-epidemiological and virological surveillance - Design, standardization and evaluation of molecular techniques for the detection and characterization of microorganisms - Use of mathematical models to evaluate the impact of preventive interventions. 2. Immunological response to vaccine preparations - Design, standardization and evaluation of techniques for determine humoral response - Determinants of cell-mediated response - Clinical studies on monovalent and combined vaccines, inactivated and living attenuated, differently adjuvanted, administered by injection and mucosal routes, designed to assess their safety, tolerability, immunogenicity and efficacy - Association of different vaccine preparations and use of alternative schedules - studies on filed for the evaluation of the effectiveness. 3. Role of vaccinations in infants, children, adults and the elderly - Detection of vaccination coverage rates - Monitoring of preventable cases. 4. Regulatory and authorization aspects of vaccines - Ethical evaluations.
Information on references	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the public notice, to the contact person of the Doctoral Course Prof. Giancarlo Icardi at the following address: icardi@unige.it The name, status and service place of the referees, chosen by the candidates, must be stated in their applications.
Foreign Languages	English
Further Information	Administrative contact person: Giuseppe Zara E-mail: giuseppe.zara@unige.it

Course: HEALTH SCIENCES**Curriculum: INFECTIOUS AND TROPICAL DISEASES (CODE 10550)**

Course Coordinator:	Izzotti Alberto
	Department of Health Sciences (Dipartimento di Scienze della Salute – DISSAL)
Places: 1 - Grants: 1 (*)	
	(*) 1 grant funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00.
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	29.07.2024 at 10:00 am remotely on Microsoft Teams
Further information on how to present qualifications/publications	Remember that by qualifications we mean the information contained in the application and in the curriculum vitae et studiorum, the research project, the further qualifications. The latter must not exceed ten pages each.
Exam Syllabus	The tests will focus on topics related to research topics.
Research Themes	<ol style="list-style-type: none"> 1. Infection in the immunocompromised host: epidemiological, diagnostic and therapy. 2. Antibiotic resistance and nosocomial infections: surveillance, epidemiology and clinical management. 3. HIV infection: immunological changes, opportunistic infections, antiretroviral therapy. 4. Chronic liver disease HCV and related HBV 5. Tuberculosis: epidemiology and drug resistance
Information on references	<p>Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the public notice, to the contact person of the Doctoral Course Prof. Matteo Bassetti at the following address: matteo.bassetti@unige.it</p> <p>The name, status and service place of the referees, chosen by the candidates, must be stated in their applications.</p>
Foreign Languages	English
Further Information	<p>Administrative contact person: Giuseppe Zara E-mail: giuseppe.zara@unige.it</p>

Course Coordinator: Izzotti Alberto	
Department of Health Sciences (Dipartimento di Scienze della Salute – DISSAL)	
Places: 1 - Grants: 1 (*)	
(*) 1 grant funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	29.07.2024 at 10:00 am remotely on Microsoft Teams
Further information on how to present qualifications/publications	Remember that by qualifications we mean the information contained in the application and in the curriculum vitae et studiorum, the research project, the further qualifications. The latter must not exceed ten pages each.
Exam Syllabus	The tests will focus on topics related to research topics.
Research Themes	<p>Legal Medicine Topics:</p> <ol style="list-style-type: none"> 1) Management of medico-legal litigation in the health sector, with particular reference to damage from medical error and to the evaluation and prevention of nosocomial infections. 2) Diagnosis of death, prevention and research applied to the study of the corpse subjected to diagnostic verification and judicial autopsy, with particular reference to sudden deaths from cardiac causes and suicides. 3) Study and evaluation of the victim of sexual violence with the application of consolidated multidisciplinary protocols. 4) Study and evaluation of the victim of abuse in the family with particular reference to the abuse of the elderly, women and children. 5) Individual identification on living, corpse and biological traces, through the study of DNA. 6) Clinical Legal Medicine with particular evaluation of the incapable patient. 7) Evidence Based Medicine applied to Forensic Medicine. <p>Occupational Medicine Topics:</p> <ol style="list-style-type: none"> 1) Work hygiene 2) Assessment and prevention of occupational biological risk, with particular reference to the health service 3) Assessment and prevention of chemical and carcinogenic risks in the workplace, with particular reference to the health service 4) Occupational immunoprophylaxis 5) Evidence Based Medicine applied to Occupational Medicine 6) Study and validation of new digital tools for epidemiological surveillance of accidents at work and occupational diseases 7) Allergology and specific immunotherapy in the workplace 8) Study and prevention of night obstructive apnea syndrome (OSAS) in the occupational field
Information on references	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the public notice, to the contact person of the Doctoral Course Prof. Francesco Ventura at the following address: francesco.ventura@unige.it The name, status and service place of the referees, chosen by the candidates, must be stated in their applications.
Foreign Languages	English
Further Information	Administrative contact person: Giuseppe Zara E-mail: giuseppe.zara@unige.it

Course: HEALTH SCIENCES**Curriculum: NURSING (CODE 10552)**

Course Coordinator: Izzotti Alberto	
Department of Health Sciences (Dipartimento di Scienze della Salute – DISSAL)	
Places: 3 (°) - Grants: 1 (*) [1]	
(*) 1 grant funded within D.M. 630 dated 24.04.2024 (cofounded by: Ospedale Giannina Gaslini) under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 [1]	
(°) 2 positions reserved for Ospedale Giannina Gaslini employees	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	29.07.2024 at 10:00 am remotely on Microsoft Teams
Further information on how to present qualifications/publications	Remember that by qualifications we mean the information contained in the application and in the curriculum vitae et studiorum, the research project, the further qualifications. The latter must not exceed ten pages each.
Exam Syllabus	The tests will focus on topics related to research topics.
Research Themes	<ol style="list-style-type: none"> 1. Patient safety and prevention of the risk of error in the care processes. 2. Prevention of education and assistance to the person with chronic health problems 3. Family and Patient Centred Care and Child and family Centred Care 4. Innovative models for health skills training.
Information on references	<p>Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the public notice, to the contact person of the Doctoral Course Prof. Annamaria Bagnasco at the following address: annamaria.bagnasco@unige.it</p> <p>The name, status and service place of the referees, chosen by the candidates, must be stated in their applications.</p>
Foreign Languages	English
Further Information	<p>Administrative contact person: Giuseppe Zara E-mail: giuseppe.zara@unige.it</p>

[1] Position with grant added after the publication of the Notice of competition (D.R. 2882 dated 6.06.2024)

Course: HEALTH SCIENCES**Curriculum: PREVENTION OF CANCER AND OF CHRONIC DEGENERATIVE DISEASES (CODE 10553)**

Course Coordinator: Izzotti Alberto	
Department of Health Sciences (Dipartimento di Scienze della Salute – DISSAL)	
Places: 1 - Grants: 1 (*)	
(*) 1 grant funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	29.07.2024 at 10:00 am remotely on Microsoft Teams
Further information on how to present qualifications/publications	Remember that by qualifications we mean the information contained in the application and in the curriculum vitae et studiorum, the research project, the further qualifications. The latter must not exceed ten pages each.
Exam Syllabus	The tests will focus on topics related to research topics.
Research Themes	<ol style="list-style-type: none">1. Molecular epidemiology of tumors and other chronic degenerative diseases2. Dietary and pharmacological prevention of tumors3. Prevention of cardiovascular diseases, ophthalmological pathologies and neurogenerative forms4. Molecular alterations and tumors induced by cigarette smoking and their prevention5. Study of factors of genetic predisposition to tumors
Information on references	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the public notice, to the contact person of the Doctoral Course Prof. Alberto Izzotti at the following address: izzotti@unige.it The name, status and service place of the referees, chosen by the candidates, must be stated in their applications.
Foreign Languages	English
Further Information	Administrative contact person: Giuseppe Zara giuseppe.zara@unige.it

Course: MARINE SCIENCES AND TECHNOLOGIES**Curriculum: NAVAL AND NAUTICAL DESIGN (CODE 10554)**

Course Coordinator: Ferrari Claudio	
Centro del Mare	
Places: 2 – Grants: 2 (*)	
(*) 2 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	25.07.2024 10AM Room “Vallega” Dipartimento Architettura e Design (DAD) - aula Vallega - Stradone Sant'Agostino 37 – Genova or on Microsoft Teams Platform.
Further information on how to present qualifications/publications	The curriculum must be completed by a document from the university that issued the degree (transcript of records) attesting to the courses and grades obtained throughout the candidate's university education (BSc and MSc). The presentation of international language certifications (TOEFL, CPE, CAE, FCE, ...) attached to the curriculum is preferential. Candidates not yet in possession, at the deadline of the announcement, of the title that allows access to the PhD may submit additional documentation, which they deem more appropriate, in order to document their academic career.
Exam Syllabus	The interview consists of an in-depth scientific discussion on the research project, on the Curriculum and on the titles presented by the candidate and is also aimed at verifying that the candidate has adequate knowledge to deal profitably with the studies in the chosen curriculum. Titles and research project have to be inherent to the studies of the specific curriculum.
Research Themes	<ul style="list-style-type: none"> • Industrialization of the nautical product in relations with materials and compositive approach • Sustainability of the nautical product in relations with materials and compositive approach • Enhancement of the existing nautical heritage • Visual communication and culture on naval and nautical field
Information on references	Applicants should choose no fewer than one and no more than three referees to support the application The referees must be university professors or experts in the subject. Referees shall directly send endorsement letters, within the deadline of the notice, to the following address e-mail: zignego@arch.unige.it and mariaelisabetta.ruggiero@unige.it In the application form, candidates must indicate the name, position and place of service of the references they have chosen.
Foreign Languages	English
Further Information	Dott.ssa Michela Mazzucchelli, dottoratodad@unige.it

Course: MARINE SCIENCES AND TECHNOLOGIES**Curriculum: ENGINEERING FOR MARINE AND COASTAL ENVIRONMENTS (CODE 10555)**

Course Coordinator: Ferrari Claudio	
Centro del Mare	
Places: 2 – Grants: 2 (*)	
(*) 2 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	25.07.2024 in room A5, Villa Cambiaso Buildings, at 9:00 a.m. Interviews will be held in presence and remotely via Teams
Further information on how to present qualifications/publications	The curriculum must be completed by a document from the university that issued the degree (transcript of records) attesting to the courses and grades obtained throughout the candidate's university education (BSc and MSc). The presentation of international language certifications (TOEFL, CPE, CAE, FCE, ...) attached to the curriculum is preferential. Candidates not yet in possession, at the deadline of the announcement, of the title that allows access to the PhD may submit additional documentation, which they deem more appropriate, in order to document their academic career.
Exam Syllabus	The interview, in English, consists of an in-depth scientific discussion on the research project, on the Curriculum and on the titles presented by the candidate, and is also aimed at verifying that the candidate has adequate knowledge to deal profitably with the studies in the chosen curriculum.
Research Themes	The topics are those addressed in the curriculum "Engineering for Marine and Coastal Environments" described in detail in the course web page: https://dicca.dottorato.unige.it/emaces and a list of possible projects can be found at https://dicca.dottorato.unige.it/news The research project, of maximum 10 pages, should highlight the motivations and research interests of the candidate and contain a summary, a state-of-the-art completed by the relevant publications, and the objectives of the activity.
Information on references	Applicants should choose no fewer than one and no more than three referees to support the application. One of the referees must be a faculty member of the curriculum committee (https://dicca.dottorato.unige.it/emaces) with whom the research project has been agreed upon. It will be the responsibility of the referees to send the letters of reference, within the deadline of the call, to the secretariat of the PhD dottorato.dicca@unige.it and the coordinator of the curriculum giovanni.besio@unige.it In the application form, candidates must indicate the name, position and place of service of the references they have chosen. Letters of reference that are not submitted as required will not be considered.
Foreign Languages	English
Further Information	https://dicca.dottorato.unige.it/emaces Giovanni Besio - giovanni.besio@unige.it

Course: MARINE SCIENCES AND TECHNOLOGIES**Curriculum: ENGINEERING FOR MARINE AND COASTAL ENVIRONMENTS (CODE 10556)**

Course Coordinator: Ferrari Claudio	
Centro del Mare	
Places: 1 – Grants: 1 (*)	
(*) 1 grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of Weather Water Sand Srl, under condition of the project and funding approval, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00 Research project: Impact of turbidity currents on submarine infrastructure in a changing climate	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND EXAM <ul style="list-style-type: none"> • Assessment of qualifications/publications and the curriculum vitae et studiorum • Written test (research project) • Interview
Interview	25.07.2024 in room A5, Villa Cambiaso Buildings, at 9:00 a.m. Interviews will be held in presence and remotely via Teams
Further information on how to present qualifications/publications	The curriculum must be completed by a document from the university that issued the degree (transcript of records) attesting to the courses and grades obtained throughout the candidate's university education (BSc and MSc). The presentation of international language certifications (TOEFL, CPE, CAE, FCE, ...) attached to the curriculum is preferential. Candidates not yet in possession, at the deadline of the announcement, of the title that allows access to the PhD may submit additional documentation, which they deem more appropriate, in order to document their academic career.
Exam Syllabus	The interview, in English, consists of an in-depth scientific discussion on the research project, on the Curriculum and on the titles presented by the candidate, and is also aimed at verifying that the candidate has adequate knowledge to deal profitably with the studies in the chosen curriculum.
Research Themes	The proposed PhD will address the safety of social systems, focusing in particular on the safety of submarine structures, infrastructures and networks in relation to the occurrence of turbidity currents. These currents can indeed pose a threat to the stability and integrity of coastal structures, such as jetties, dykes or bridges.
Information on references	Applicants should choose no fewer than one and no more than three referees to support the application. One of the referees must be a faculty member of the curriculum committee (https://dicca.dottorato.unige.it/emaces) with whom the research project has been agreed upon. It will be the responsibility of the referees to send the letters of reference, within the deadline of the call, to the secretariat of the PhD dottorato.dicca@unige.it and the coordinator of the curriculum giovanni.besio@unige.it In the application form, candidates must indicate the name, position and place of service of the references they have chosen. Letters of reference that are not submitted as required will not be considered.
Foreign Languages	English
Further Information	https://dicca.dottorato.unige.it/emaces Giovanni Besio - giovanni.besio@unige.it

Course: MARINE SCIENCES AND TECHNOLOGIES

Curriculum: NAVAL ARCHITECTURE AND MARINE ENGINEERING - MARINE TECHNOLOGIES (CODE 10557)

Course Coordinator: Ferrari Claudio	
Centro del Mare	
Places: 4 – Grants: 3 (*)	
<p>(*) 2 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00</p> <p>(*) 1 grant funded within D.M. 630 dated 24.04.2023 (co-funded by CETENA), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00 (CUP D32B24000730008)</p> <p>(*) 1 place reserved to employees of Sanlorenzo S.p.A.</p>	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	<p>19.07.2024 –ore 2:30 PM at Dipartimento di Ingegneria navale, elettrica, elettronica e delle telecomunicazioni (DITEN), Polo Navale, via Montallegro 1, Genova</p> <p>The interview can take place on request also electronically (video conference via MS Teams) by contacting Prof. Cesare M. Rizzo at least one week before the interview date by e-mail (cesare.rizzo@unige.it)</p>
Further information on how to present qualifications/publications	<p>Applicants will:</p> <ol style="list-style-type: none"> 1) submit a research project (maximum 10 pages A4 format); 2) an updated CV; <p>Italian candidates not yet graduated must present the list with a score of the exams taken in the master degree.</p>
Exam Syllabus	The interview will focus on the topics of the proposed research project and on related issues.
Research Themes	<p>The research topics concern the conception, design, construction and operation of ships and offshore units, surface and underwater, both conventional and non-conventional, with particular reference to the process of synthesis and integration of the various aspects involved and generally through a multidisciplinary approach. The list of proposed topics is available at: https://mare.unige.it/sites/mare.unige.it/files/2023-06/PhD_Lista2023_STM_temi%20di%20ricerca.pdf</p> <p>- Topic of the PhD grant funded by CETENA through D.M. 630 del 24.04.2024: Investigation on the applicability of LES/DES models in ship design</p> <p>Further information may be requested via e-mail (cesare.rizzo@unige.it)</p>
Information on references	<p>Candidates must choose not less than one and not more than three referees to support their application.</p> <p>The referees must be university professors or experts in the subject. Referees shall directly send endorsement letters, within the deadline of the notice, to the following address e-mail: cesare.rizzo@unige.it</p> <p>In their application, candidates must indicate the name, qualification and place of employment of the chosen referees.</p>
Foreign Languages	English

Course: MARINE SCIENCES AND TECHNOLOGIES

Curriculum: NAVAL ARCHITECTURE AND MARINE ENGINEERING - MARINE TECHNOLOGIES (CODE 10558)

Course Coordinator: Ferrari Claudio	
Centro del Mare	
Places: 1 – Grants: 1 (*)	
(*) 1 grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of FINCANTIERI Spa, under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500. Research projects: Development of strategies for the reduction of the environmental impact of naval vessels	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND EXAM <ul style="list-style-type: none"> • Assessment of qualifications/publications and the curriculum vitae et studiorum • Written test (research project) • Interview that includes the description of the candidate’s research area of interest, also on the basis of previous activities stated in his/her scientific professional curriculum
Interview	19.07.2024 –ore 2:30 PM at Dipartimento di Ingegneria navale, elettrica, elettronica e delle telecomunicazioni (DITEN), Polo Navale, via Montallegro 1, Genova The interview can take place on request also electronically (video conference via MS Teams) by contacting Prof. Cesare M. Rizzo at least one week before the interview date by e-mail (cesare.rizzo@unige.it)
Further information on how to present qualifications/publications	Applicants will: <ol style="list-style-type: none"> 1) submit a research project (maximum 10 pages A4 format); 2) an updated CV; Italian candidates not yet graduated must present the list with a score of the exams taken in the master degree.
Exam Syllabus	The interview will focus on the topics of the proposed research project and on related issues.
Research Themes	Research project for grant within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) : Research projects: Development of strategies for the reduction of the environmental impact of naval vessels
Information on references	Candidates must choose not less than one and not more than three referees to support their application. The referees must be university professors or experts in the subject. Referees shall directly send endorsement letters, within the deadline of the notice, to the following address e-mail: cesare.rizzo@unige.it In their application, candidates must indicate the name, qualification and place of employment of the chosen referees.
Foreign Languages	English
Further Information	Further information about commitments and conditions of the grants funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) are available in the Notice of competition (article 6, paragraph 6) Months to be spent abroad: 4

Course: MARINE SCIENCES AND TECHNOLOGIES**Curriculum: LOGISTICS AND TRANSPORTATION (CODE 10559)**

Course Coordinator: Ferrari Claudio	
Centro del Mare	
Places: 4 – Grants: 4 (*)	
(*): - 2 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 - 1 grant funded by Department (CIELI-DIEC), the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 - 1 grant funded within D.M. 630 dated 24.4.2024 (co-funded by OPTIMEasy Srls), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (CUP D32B24000730008)	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	22.07.2024 Interviews will start at 10 AM by remote via Teams
Further information on how to present qualifications/publications	Qualifications and publications must be attached to the application form.
Exam Syllabus	The interviews will assess the candidates' knowledge of the transport sector in its multidisciplinary aspects and their aptitude for scientific research as well as their understanding of the English language.
Research Themes	Grants no. 1 and 2: on one of the following research topics: 1. Competition and regulation in the transport sector; 2. States' intervention in transport and transport infrastructures as a tool to implement competitive, environmental and industrial policies; 3. Green strategies and green products; 4. Energy and environmental policies and strategies in shipping and ports; 5. Analysis and planning of rail transport systems; 6. Crisis management, social media marketing and sentiment analysis applied to the transport sector; 7. Optimization models and methods in the management of modal change nodes; 8. Management of transport systems in case of infrastructural damages; 9. Optimal use of transport infrastructure; 10. Dynamic programming models; 11. Shipbuilding Economics and Ship production markets; 12. Economic and Operational impact of new technologies on shipping markets; 13. Contractual models and practices in leisure shipbuilding: yacht building, repair and refit contracts; 14. Corporate and business strategies in the Blue Economy; 15. Analysis and planning of transport and logistics systems with the use of autonomous vehicles; 16. Application and use of ITS technologies for the management of transport and logistics systems; 17. Technological innovation and environmental nudges for an integrated and sustainable urban mobility; 18. Policy and actions to reduce emissions in the logistics and transport sector Grant no. 3 (funded by CIELI-DIEC): New technologies and socio-environmental impact of logistics Grant no. 4 (funded within D.M. 630 dated 24.4.2024): The support of transport and logistics to the tourism sector.
Information on references	Letters of reference should be sent to: cieli@unige.it claudio.ferrari@unige.it
Foreign Languages	English

Course: MARINE SCIENCES AND TECHNOLOGIES**Curriculum: FLUID MACHINES AND ENERGY SYSTEMS FOR MARITIME APPLICATIONS (CODE 10560)**

Course Coordinator: Ferrari Claudio	
Centro del Mare	
Places: 2 – Grants: 2 (*)	
(*) 2 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 19.500,00	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS
Further information on how to present qualifications/publications	Applicants will: 1) submit a research project (maximum 10 pages A4 format); the research project, of maximum 10 pages, should highlight the motivations and research interests of the candidate and contain a summary, a state of the art completed by the relevant publications, and the objectives of the activity. 2) an updated CV; the curriculum must be completed by a document from the university that issued the degree (transcript of records) attesting to the courses and grades obtained throughout the candidate's university education (BSc and MSc). Candidates not yet in possession, at the deadline of the announcement, of the title that allows access to the PhD may submit additional documentation, which they deem more appropriate, to document their academic career.
Research Themes	<ul style="list-style-type: none">• Low emission fluid machines and systems for energy production and conversion on-board and on-shore• Energy storage systems on-board• Clean fuels towards decarbonization• Renewable energy harvesting for maritime applications
Information on references	Applicants should choose no fewer than one and no more than three referees to support the application The referees must be university professors or experts in the subject. Referees shall directly send endorsement letters, within the deadline of the notice, to the following address e-mail: massimo.rivarolo@unige.it
Foreign Languages	English
Further Information	For further information please contact prof. Massimo Rivarolo (massimo.rivarolo@unige.it)

Course: MARINE SCIENCES AND TECHNOLOGIES

Curriculum: FLUID MACHINES AND ENERGY SYSTEMS FOR MARITIME APPLICATIONS (CODE 10561)

Course Coordinator: Ferrari Claudio	
Centro del Mare	
Places: 1 – Grants: 1 (*)	
(*) 1 grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of SIT Technologies Srl, under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 19.500. Research project: Energy harvesting from waves onboard autonomous vehicle	
Comparative assessment procedure	<p>QUALIFICATIONS/PUBLICATIONS AND EXAM</p> <ul style="list-style-type: none"> • Assessment of qualifications/publications and the curriculum vitae et studiorum • Research project • Interview
Interview	24.07.2024 h. 11.00 by remote (via Teams)
Further information on how to present qualifications/publications	<p>Applicants will:</p> <p>1) submit a research project (maximum 10 pages A4 format); the research project, of maximum 10 pages, should highlight the motivations and research interests of the candidate and contain a summary, a state of the art completed by the relevant publications, and the objectives of the activity.</p> <p>2) an updated CV; the curriculum must be completed by a document from the university that issued the degree (transcript of records) attesting to the courses and grades obtained throughout the candidate's university education (BSc and MSc).</p> <p>Candidates not yet in possession, at the deadline of the announcement, of the title that allows access to the PhD may submit additional documentation, which they deem more appropriate, to document their academic career.</p>
Research Themes	<p>Research project for grant within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f): Energy harvesting from waves onboard autonomous vehicle</p> <p>The research activity will focus on the development of innovative solutions for energy recovery (energy harvesting) from sea wave motion, with particular attention to the application on board vessels, such as autonomous surface or underwater vehicles. The main objective is to demonstrate both the theoretical and experimental feasibility of significantly increasing the energy autonomy of these vehicles, particularly during periods of operational stops in the open sea. The methodology consists in the dynamic modeling of an inertial system for direct conversion into electrical energy, to be stored in an on-board battery. The calculation tools used will be lumped parameter calculation codes, implemented on platforms used for scientific research, such as Matlab-Simulink. The synergy with the company is mainly foreseen for prototyping and testing activities.</p>
Information on references	<p>Applicants should choose no fewer than one and no more than three referees to support the application</p> <p>The referees must be university professors or experts in the subject. Referees shall directly send endorsement letters, within the deadline of the notice, to the following address e-mail: massimo.rivarolo@unige.it</p>
Foreign Languages	English
Further Information	<p>Further information about commitments and conditions of the grants funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) are available in the Notice of competition (article 6, paragraph 6)</p> <p>Months abroad: up to 6</p>

Course: MARINE SCIENCES AND TECHNOLOGIES

Curriculum: MARINE ECOSYSTEM SCIENCES (CODE 10562)

Course Coordinator: Ferrari Claudio	
Centro del Mare	
Places: 5 – Grants: 3 (*)	
<p>(*) 2 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500</p> <p>(*) 1 grant funded by IOcean, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500</p> <p>(°) 1 position reserved for Centro de Investigación en Ecosistemas de la Patagonia (CIEP) employees</p> <p>(°) 1 position reserved for Costa Edutainment employees</p>	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	25.07.2024 at 10.00 at the Department of Earth, Environmental and Life Sciences (DISTAV), Palazzo delle Scienze, Prof. Vezzulli's Office, 4th floor, Corso Europa 26, Genoa. The interview can take place only in person.
Exam Syllabus	<p>Applicants must:</p> <ol style="list-style-type: none"> 1) submit a research project (maximum 10 A4 pages). 2) an updated curriculum vitae; <p>Italian applicants who have not yet graduated should submit the list with the grade of exams taken in the master's degree.</p> <p>The interview will focus on the discussion of the candidate's curriculum vitae and the submitted research project with particular reference to the relevance of the proposed research activities with the doctoral topics, the scientific content, innovativeness and feasibility of their implementation</p>
Research Themes	<p>Grant no. 1: Novel approaches to determine patterns and processes in planktonic communities of ecosystems of the Mediterranean Sea</p> <p>Grant no. 2: The venomics of cnidarians: ecological aspects, molecular characterization, pathological implications for human health, potential therapeutic strategies and innovative biotechnological developments of coral and jellyfish venom.</p> <p>Grant no. 3 (grant funded by IOcean): Strategies for the Conservation and Restoration of Ecosystem Services Associated with Priority Marine Habitats in the Mediterranean</p> <p>Grant no. 4 (reserved for CIEP employees): Sponges of the patagonian fjords: a tool for the conservation studies on marine areas and a new frontier for the research of bioactive compounds.</p> <p>Grant no. 5 (reserved for Costa Edutainment employees): Forecasting models applied to the cetological fauna of the Ligurian Sea.</p> <p>Non-priority research topics may also concern basic and applied aspects relevant for the study and conservation of marine biodiversity, the protection and enhancement of coastal and oceanic ecosystems, the management and mitigation of coastal risk and environmental monitoring, development and application. Marine biotechnology, analysis and control of risks to the health of marine ecosystems (also in relation to human health) and the sustainable exploitation of marine ecosystem resources and services.</p>
Information on references	Candidates must choose not less than one and not more than three referees to support their application. The referees must be university professors or experts in the subject. The candidates will be responsible for including the reference letters in the proposal (reference letters can be included in the foot of the research project file), within the deadline of the call. In the application for admission, candidates must also indicate the name, qualification and place of employment of the contact persons they have chosen.
Foreign Languages	English
Further Information	Contact Prof. Luigi Vezzulli, e-mail: luigi.vezzulli@unige.it

Course: SCIENCES AND TECHNOLOGIES OF CHEMISTRY AND MATERIALS

In agreement with the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia – IIT)

Curriculum: NANOSCIENCES (CODE 10563)

Course Coordinator: Riva Renata	
Department of Chemistry and Industrial Chemistry (Dipartimento di Chimica e Chimica Industriale – DCCI)	
Places: 8 – Grants: 8 (*) [1]	
(*) 8 grants funded by IIT, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00. [1]	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS
Further information on how to present qualifications/publications	<p>Evaluable qualifications:</p> <ul style="list-style-type: none"> • educational qualifications with marks; • transcript of records (list of exams with marks); • recommendation letters (maximum three); • research project written in English; • curriculum vitae et studiorum; • additional qualifications (postgraduate qualifications, publications in scientific journals, congress presentations, patents, study or research awards). <p>All candidates have to attach to the application the certificates related to all the academic qualifications, reporting the mark and duration of the study cycles. For students not yet graduated, who are admitted sub condicione, the presentation of the certificate is required with the marks obtained in the individual exams. The provision of the title and a short M.Sc. thesis abstract is recommended.</p> <p>Foreign applicants must also clearly report the number of years corresponding to each cycle of studies carried out before enrolling in the University.</p> <p>In case of admission to the doctorate, the candidate will carry out his research not necessarily in the specific activities described in the project he/she has presented.</p>
Research Themes	<ol style="list-style-type: none"> 1. Development of functional graded layered nanomaterials (funded by 2023 ERC Consolidator Grant EVA, programme Horizon Europe, GA 101124411). 2. Rapid fabrication of graded layered nanomaterials (funded by 2023 ERC Consolidator Grant EVA, programme Horizon Europe, GA 101124411). 3. Light-matter interaction in solution-processed nanomaterials. 4. Development of light-sources based on colloidal quantum dots. 5. Nanoparticle-based colorimetric biosensors. 6. Biological application of nanozymes. 7. Exploring new nanozyme functionalities and applications. 8. Data-Driven Innovation in Broadband Emitting Layered Perovskites
Information on references	<p>Candidates must provide not less than one and not more than three recommendation letters to support their application. The authors are university professors or experts in the research topics of the PhD course and they must provide the letters within the deadline of the call, exclusively by e-mail to phd_nach@iit.it (subject: PhD_letter).</p> <p>The name, status and place of employment of the authors of the recommendation letters must be stated in the application.</p>
Foreign Languages	English
Further Information	<p>Administrative contact persons</p> <p>Dr. Iulia Manolache Dr. Ilaria Rapone Tel: (+39) 0102896718 Tel: (+39) 0102896772 iulia.manolache@iit.it ilaria.rapone@iit.it</p> <p>Further information on the research themes: https://chimica.unige.it/en/doctorate-themes</p>

[1] 1 position with grant added after the publication of the Notice of competition (D.R. 2882 dated 6.06.2024)

Course: SCIENCES AND TECHNOLOGIES OF CHEMISTRY AND MATERIALS

In agreement with the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia – IIT)

Curriculum: SCIENCE AND TECHNOLOGY OF MATERIALS (CODE 10564)

Course Coordinator: Riva Renata	
Department of Chemistry and Industrial Chemistry (Dipartimento di Chimica e Chimica Industriale – DCCI)	
Places: 5 – Grants: 5 (*)	
(*) 2 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00. (*) 2 grants funded within D.M. 630 dated 24.04.2024 (cofounded by 1) Conservazione e Restauro di Ilaria Bianca Peticucci, Milano, 2) Angelini S.p.A., Roma), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00 (CUP D32B24000760008) (*) 1 grant funded by Eni S.p.A., Roma, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	23.07.2024 – 9:00 AM, at Dipartimento di Fisica – DIFI, via Dodecaneso 33, 16146, Genova. The interview may take place electronically (Skype, Teams etc.), for justified reasons. For the purpose of identification, the candidate has to show the original document (the same provided in the application). The justified request for videoconferencing must be sent no later than 16.07.2024 by e-mail to annalisa.relini@unige.it (subject: PhD_interview).
Further information on how to present qualifications/publications	<p>Evaluable qualifications:</p> <ul style="list-style-type: none"> • educational qualifications with marks; • transcript of records (list of exams with marks); • recommendation letters (maximum three); • research project written in Italian or English; • curriculum vitae et studiorum; • additional qualifications (postgraduate qualifications, publications in scientific journals, congress presentations, patents, study or research awards). <p>All candidates have to attach to the application the certificates related to all the academic qualifications, reporting the mark and duration of the study cycles. For students not yet graduated, who are admitted sub condicione, the presentation of the certificate is required with the marks obtained in the individual exams. Foreign applicants must also clearly report the number of years corresponding to each cycle of studies carried out before enrolling in the University. In case of admission to the doctorate, the candidate will carry out his research not necessarily in the specific activities described in the project he/she has presented.</p>
Exam Syllabus	The candidate will discuss with the Committee the research project he/she has presented. The Committee will evaluate the research project for its originality, feasibility, methodology, timeline and relevance within the research topics listed in the call. In this way the Committee will be able to evaluate the candidates attitude to develop a scientific project. During the presentation the Committee will ascertain the candidate knowledge of English language.
Research Themes	<ol style="list-style-type: none"> 1. Experimental investigation and modelling of metallic, ceramic, polymeric, composite, biomolecular and biocompatible materials. Correlations between methods of production (synthesis, film deposition, crystal growth), structural, morphological, chemical-physical characteristics and functional properties will be studied. As regards the functional aspects, materials for photonics and plasmonics, high temperature superconductors, materials for hydrogen production and storage, heterogeneous catalyst materials, electronic and magnetic devices, protective coatings, biomaterials will be studied. Characterization will concern structural, electronic and morphologic properties of materials even in the form of thin and ultrathin films and multilayers, with regard to growth and nanostructuring mechanisms. Crystal-chemical, electrochemical, thermal, magnetic and transport properties, and the microscopic study of tribological processes will also be considered. The technological aspects of new industrial, environmental and metallurgical catalytic processes will be studied and developed. All the above-mentioned themes will be developed both in basic and applied research (industrial processes, sensors, devices, conservation of cultural heritage etc.). 2. Archaeological wood objects with the presence of metal elements: physico-chemical characterization and evaluation of new consolidants (research theme for grant funded within D.M. 630 dated 24.4.2024, Conservazione e Restauro di Ilaria Bianca Peticucci). 3. Study and optimization of the parameters for the electrochemical synthesis of sodium hypochlorite (research theme for grant funded within D.M. 630 dated 24.4.2024, Angelini

	S.p.A.). 4. Technical, economic, and sustainability analysis of remediation technologies (research theme for grant funded by Eni S.p.A.)
Information on references	Candidates must provide not less than one and not more than three recommendation letters to support their application. The authors are university professors or experts in the research topics of the PhD course and they must provide the letters within the deadline of the call, exclusively by e-mail to annalisa.relini@unige.it (subject: PhD_letter). The name, status and place of employment of the authors of the recommendation letters must be stated in the application.
Foreign Languages	English
Further Information	Prof. Annalisa Relini (+39) 0103356427 relini@fisica.unige.it Administrative contact person Ms. Noemi Pretelli (+39) 0103358752 dottorato_STCM@unige.it Further information on the research themes D.M. 630 and grant funded by Eni: https://chimica.unige.it/en/doctorate-themes

Course: SCIENCES AND TECHNOLOGIES OF CHEMISTRY AND MATERIALS

In agreement with the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia – IIT)

Curriculum: CHEMICAL SCIENCES AND TECNOLOGIES (CODE 10565)

Course Coordinator: Riva Renata	
Department of Chemistry and Industrial Chemistry (Dipartimento di Chimica e Chimica Industriale – DCCI)	
Places: 7 – Grants: 7 (*)	
(*) 6 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00. (*) 1 grant funded within D.M. 629 dated 24.04.2024 (Transizioni digitali e ambientali), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00 (CUP D32B24000510006)	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	24.07.2024 – 8:30 AM, at Dipartimento di Chimica e Chimica Industriale (DCCI), via Dodecaneso 31, 16146 Genova. The interview may take place electronically (Skype, Teams etc.), for justified reasons. For the purpose of identification, the candidate has to show the original document (the same provided in the application). The justified request for videoconferencing must be sent no later than 17.07.2024 by e-mail to grotti@unige.it (subject: PhD_interview)
Further information on how to present qualifications/publications	Evaluable qualifications: <ul style="list-style-type: none"> • educational qualifications with marks; • transcript of records (list of exams with marks); • recommendation letters (maximum three); • research project written in Italian or English; • curriculum vitae et studiorum; • additional qualifications (postgraduate qualifications, publications in scientific journals, congress presentations, patents, study or research awards). <p>All candidates have to attach to the application the certificates related to all the academic qualifications, reporting the mark and duration of the study cycles. For students not yet graduated, who are admitted sub condicione, the presentation of the certificate is required with the marks obtained in the individual exams.</p> <p>Foreign applicants must also clearly report the number of years corresponding to each cycle of studies carried out before enrolling in the University.</p> <p>In case of admission to the doctorate, the candidate will carry out his research not necessarily in the specific activities described in the project he/she has presented.</p>
Exam Syllabus	The candidate will discuss with the Committee the research project he/she has presented. The Committee will evaluate the research project for its originality, feasibility, methodology, timeline and relevance within the research topics listed in the call. In this way the Committee will be able to evaluate the candidates attitude to develop a scientific project. During the presentation the Committee will ascertain the candidate knowledge of English language.
Research Themes	<ol style="list-style-type: none"> 1. Chemistry and physical chemistry of photoactive materials. 2. Nanoparticles for technological applications. 3. Synthesis and study of the crystal-chemical, thermal, magnetic and transport properties of oxides, nitrides, and carbides. 4. Determination of chemical species of environmental and oceanographic interest. 5. Development of innovative methods for sample preparation, chromatography, and mass spectrometry. 6. Analytical chemistry of trace elements. 7. Chemistry of the polar environments. 8. Diversity-oriented synthesis of biologically active compounds or with applications as functional materials by chemical methodologies with the aid of catalytic methods (photocatalysis, organocatalysis, organometallic catalysis) or chemoenzymatic procedures. 9. Chemoenzymatic synthesis of macromolecules starting from bio-based monomers using interdisciplinary methods based on the green chemistry principles combined with biotechnology. 10. Synthesis and reactivity of heterocyclic compounds. 11. Phase equilibria and thermodynamics of metallic materials: experimental and theoretical aspects. 12. Intermetallic compounds: synthesis, structure, properties, and technological applications. 13. Advanced metallic materials.

	<p>14. Inorganic materials (metallic and refractory) for renewable energies.</p> <p>15. Polymeric, hybrid and nanocomposite materials.</p> <p>16. Polymer nanostructures for photonics.</p> <p>17. Membranes and membrane processes.</p> <p>18. Chemistry for cultural heritage: heritage conservation, diagnostics, and monitoring.</p> <p>19. Membrane processes and reactors for water treatment e valorization (research theme for grant funded within D.M. 629 dated 24.04.2024 - Azione Dottorati di ricerca per le Transizioni digitali e ambientali).</p>
Information on references	<p>Candidates must provide not less than one and not more than three recommendation letters to support their application. The authors are university professors or experts in the research topics of the PhD course and they must provide the letters within the deadline of the call, exclusively by e-mail to grotti@unige.it (subject: PhD_letter).</p> <p>The name, status and place of employment of the authors of the recommendation letters must be stated in the application.</p>
Foreign Languages	English
Further Information	<p>Prof. Marco Grotti (+39) 0103358708 grotti@unige.it</p> <p>Administrative contact person Ms. Noemi Pretelli (+39) 0103358752 dottorato_STCM@unige.it</p> <p>Further information on the research theme D.M. 629: https://chimica.unige.it/en/doctorate-themes</p>

Course: SCIENCES AND TECHNOLOGIES OF CHEMISTRY AND MATERIALS

In agreement with the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia – IIT)

Curriculum: CHEMICAL SCIENCES AND TECNOLOGIES (CODE 10566)

Course Coordinator: Riva Renata	
Department of Chemistry and Industrial Chemistry (Dipartimento di Chimica e Chimica Industriale – DCCI)	
Places: 2 – Grants: 2 (*)	
(*) 2 grants funded by DCCI within 2023 ERC Starting Grant CIRCULARIZE, programme Horizon-ERC, GA 101114664, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 18.500,00.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	24.07.2024 – 8:30 AM, at Dipartimento di Chimica e Chimica Industriale (DCCI), via Dodecaneso 31, 16146 Genova. The interview may take place electronically (Skype, Teams etc.), for justified reasons. For the purpose of identification, the candidate has to show the original document (the same provided in the application). The justified request for videoconferencing must be sent no later than 17.07.2024 by e-mail to alessandro.pellis@unige.it (subject: PhD_interview)
Further information on how to present qualifications/publications	<p>Evaluable qualifications:</p> <ul style="list-style-type: none"> • educational qualifications with marks; • transcript of records (list of exams with marks); • recommendation letters (maximum three); • research project written in Italian or English; • curriculum vitae et studiorum; • additional qualifications (postgraduate qualifications, publications in scientific journals, congress presentations, patents, study or research awards). <p>All candidates have to attach to the application the certificates related to all the academic qualifications, reporting the mark and duration of the study cycles. For students not yet graduated, who are admitted sub condicione, the presentation of the certificate is required with the marks obtained in the individual exams.</p> <p>Foreign applicants must also clearly report the number of years corresponding to each cycle of studies carried out before enrolling in the University.</p> <p>In case of admission to the doctorate, the candidate will carry out his research not necessarily in the specific activities described in the project he/she has presented.</p>
Exam Syllabus	The candidate will discuss with the Committee the research project he/she has presented. The Committee will evaluate the research project for its originality, feasibility, methodology, timeline and relevance within the research topics listed in the call. In this way the Committee will be able to evaluate the candidates attitude to develop a scientific project. During the presentation the Committee will ascertain the candidate knowledge of English language.
Research Themes	<ol style="list-style-type: none"> 1. Processing of biomass for the extraction of platform molecules for the synthesis of novel solvents and polymeric materials. 2. Chemo-enzymatic synthesis of novel macromolecular architectures by using biobased functional monomers.
Information on references	Candidates must provide not less than one and not more than three recommendation letters to support their application. The authors are university professors or experts in the research topics of the PhD course and they must provide the letters within the deadline of the call, exclusively by e-mail to alessandro.pellis@unige.it (subject: PhD_letter). The name, status and place of employment of the authors of the recommendation letters must be stated in the application.
Foreign Languages	English
Further Information	<p>Prof. Alessandro Pellis (+39) 0103356124 alessandro.pellis@unige.it</p> <p>Administrative contact person Ms. Noemi Pretelli (+39) 0103358752 dottorato_STCM@unige.it</p> <p>Further information on the research themes: https://chimica.unige.it/en/doctorate-themes</p>

Course: SCIENCES AND TECHNOLOGIES OF CHEMISTRY AND MATERIALS**In agreement with the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia – IIT)****Curriculum: PHARMACEUTICAL, FOOD AND COSMETIC SCIENCES (CODE 10567)**

Course Coordinator: Riva Renata	
Department of Chemistry and Industrial Chemistry (Dipartimento di Chimica e Chimica Industriale – DCCI)	
Places: 5 (°) – Grants: 4 (*)	
(*) 4 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00. (°) 1 position reserved to employee of MICAMO LAB, Genova	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	29.07.2024 – 9:30 AM, at Dipartimento di Farmacia (DIFAR), viale Benedetto XV, 16132 Genova. The interview may take place electronically (Skype, Teams etc.), for justified reasons. For the purpose of identification, the candidate has to show the original document (the same provided in the application). The justified request for videoconferencing must be sent no later than 19.07.2024 by e-mail to: paolo.oliveri@unige.it (subject: PhD_interview)
Further information on how to present qualifications/publications	<p>Evaluable qualifications:</p> <ul style="list-style-type: none">• educational qualifications with marks;• transcript of records (list of exams with marks);• recommendation letters (maximum three);• research project written in Italian or English;• curriculum vitae et studiorum;• additional qualifications (postgraduate qualifications, publications in scientific journals, congress presentations, patents, study or research awards). <p>All candidates have to attach to the application the certificates related to all the academic qualifications, reporting the mark and duration of the study cycles. For students not yet graduated, who are admitted sub condicione, the presentation of the certificate is required with the marks obtained in the individual exams.</p> <p>Foreign applicants must also clearly report the number of years corresponding to each cycle of studies carried out before enrolling in the University.</p> <p>In case of admission to the doctorate, the candidate will carry out his research not necessarily in the specific activities described in the project he/she has presented.</p>
Exam Syllabus	The candidate will discuss with the Committee the research project he/she has presented. The Committee will evaluate the research project for its originality, feasibility, methodology, timeline and relevance within the research topics listed in the call. In this way the Committee will be able to evaluate the candidates attitude to develop a scientific project. During the presentation the Committee will ascertain the candidate knowledge of English language.
Research Themes	<ol style="list-style-type: none">1. Rational design and synthesis of biologically active compounds with potential interest as antineoplastics, antivirals, antimicrobials, CFTR modulators, and for the treatment of CNS and peripheral system diseases; modulators for the therapy of cystic fibrosis, anti diabetic agents, tracers for therapeutic or imaging applications.2. Advanced computational methods applied to drug-target interaction study.3. Characterization and valorization of food, dietetic products and food supplements. Extraction, development and formulation of new food ingredients and/or foods.4. Design and synthesis of pharmacologically active cationic nanomaterials and/or capable of solubilizing natural or synthetic insoluble therapeutics for drug delivery and applications in nanomedicine as antibacterial and/or antitumor devices.5. Design and development of micro- and nanodispersed systems or bioadhesive matrixes for drug delivery.6. Spectroscopic and hyperspectral-imaging methods for food and environmental applications. Development and application of chemometric methods of multivariate analysis and experimental design.7. Extraction and spectroscopic characterization of biologically active phytochemicals from aromatic and medicinal plants, as well as from biomass from agricultural waste and of the market of ornamental plants of territorial interest.8. Trace metals and human health (environment, food, drugs).9. Application of microwave technology and solvent free reactions in organic and inorganic syntheses, in extractive procedures according to the targets of green chemistry and green extractions for the preparation of bioactive cosmetic and pharmaceutical compounds. A particular focus is the exploitation of botanical matrices especially from agrofood byproducts.

	<p>10. Preparation, characterization and development of pharmaceutical and galenic dosage forms.</p> <p>11. Delivery systems for tracers to be applied for therapeutic or imaging applications.</p> <p>12. Development of a risk assessment system for the reuse of by-products from the fish supply chain in the food sector (research theme for the MICAM LAB employee).</p>
Information on references	<p>Candidates must provide not less than one and not more than three recommendation letters to support their application. The authors are university professors or experts in the research topics of the PhD course and they must provide the letters within the deadline of the call, exclusively by e-mail to paolo.oliveri@unige.it (subject: PhD_letter).</p> <p>The name, status and place of employment of the authors of the recommendation letters must be stated in the application.</p>
Foreign Languages	English
Further Information	<p>Prof. Paolo Oliveri (+39) 0103532626 paolo.oliveri@unige.it</p> <p>Administrative contact person Ms. Noemi Pretelli (+39) 0103358752 dottorato_STCM@unige.it</p>

Course Coordinator: Scambelluri Marco	
Department of Earth, Environmental and Life Sciences (Dipartimento di Scienze della Terra, dell'Ambiente e della Vita – DISTAV)	
Places: 6 – Grants: 4 (*)	
<p>(*) 2 grants funded by Università degli Studi di Genova; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16,500.</p> <p>(*) 1 grant funded by MUR/Department (DISTAV); the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16,500.</p> <p>(*) 1 grant funded by Department (DISTAV); the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16,500.</p> <p>(°) 1 position covered with research grant as per the amount foreseen within Doctoral Networks (DN) - HORIZON MSCA 2022-DN-01-01 -Natural Traces;</p> <p>(°) 1 position reserved for ANGEL Consulting S.a.s. employees</p>	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	26.07.2024 at 9.00 (CET) in IT mode by contacting the curriculum manager in advance
Further information on how to present qualifications/publications	<p>Qualifications are all information contained in the application and in the documents attached to it. The application must include:</p> <p>a) the curriculum vitae et studiorum of the PhD candidate (maximum ten pages).</p> <p>b) a detailed research project concerning one of the Doctorate Research themes published in the official call for the XXXIX Doctorate Cycle in Science and Technology for the Environment and the Territory of the Genova University (maximum ten pages).</p> <p>c) a document containing the title and a brief description of the Master thesis, together with the list of exams and their marks.</p> <p>d) the titles documenting the qualifications acquired by the PhD candidate during his/her career that are relevant to the research project submitted and to the Doctorate Course (maximum ten pages).</p> <p>e) minimum one, up to three reference letters. In the application form candidates must indicate the names, qualification and Institution of referents writing the support letters.</p> <p>PhD candidates can apply in English and Italian.</p> <p><u>Failure to submit a project on one of the topics listed below will result in the candidate's exclusion from the selection</u></p>
Exam Syllabus	<p>The interview will deal with:</p> <p>1- the knowledge of biological themes, elements, and processes. The topics covered during the discussion are both of general interest, as well as specific to the proposed research.</p> <p>2- the activity carried out by the PhD candidates during their course of study and during the Master's degree thesis, their level of knowledge of the related topics and of the analytical and experimental methodologies related to the Master Thesis and to research topic of the project presented.</p> <p>3- the research topic that the candidate aims at developing during the PhD.</p> <p>4 - the knowledge of the English language.</p>
Research Themes	<p>The candidate must choose only one of the following 7 themes. <u>Failure to choose a theme or present a project on one of the topics listed below will result in the candidate's exclusion from the selection.</u></p> <p>More detailed information on the research topics is available on the STAT PhD website (http://www.distav.unige.it/phdstat/it - Research topics).</p> <ol style="list-style-type: none"> 1) Evaluation of the effects and molecular mechanisms involved in the cytoprotective action of bioactive molecules on cell metabolism and structure using in vitro models (University grant) 2) How geological and climatic buffering shaped plant diversity in hotspots of biodiversity (University grant) 3) Fungi as wood biodeteriogens (University grant) 4) Risk assessment for invasive species with particular attention to competitive processes with native species (MUR/DISTAV grant) 5) Aeromycology: evaluation of air quality requirements through determination of airborne fungal microbiological pollutant concentrations (Department grant) 6) Fungi as forensic tools (HORIZON MSCA 2022-DN-01-01 -Natural Traces grant) 7) Evaluation of Safety Following Accidental Inhalation of Cosmetic Products (reserved for ANGEL Consulting S.a.s. employees)

Information on references	In accordance with article 3 paragraph 3 of the call, the candidate must choose minimum one, up to three referents supporting their PhD application. In their application forms, the PhD candidates must indicate the name, qualification and Institution of each referent. Referents must be University professors and researchers, or well-known experts in the subject. Referents must send their letters in "pdf" format, within the deadline for submitting the application, directly to Prof. Mauro Mariotti (m.mariotti@unige.it), responsible for the Doctorate curriculum.
Foreign Languages	The research project can be written in Italian, English or French, but knowledge of the English language is required
Further Information	<p>Further information is available on the PhD website (http://www.distav.unige.it/phdstat/it) or can be requested from:</p> <ul style="list-style-type: none"> • Prof.ssa Laura Vergani (laura.vergani@unige.it) for theme 1; • Prof. Gabriele Casazza (gabriele.casazza@unige.it) for theme 2 • Prof. Simone Di Piazza (simone.dipiazza@unige.it) for theme 3 • Prof. Luigi Minuto (luigi.minuto@unige.it) for theme 4; • Prof. Mirca Zotti (mirca.zotti@unige.it) for themes 5 e 6 • Prof.ssa Elena Grasselli (elena.grasselli@unige.it) for theme 7

Course: SCIENCE AND TECHNOLOGY FOR THE ENVIRONMENT AND TERRITORY (STET)

Curriculum: EARTH SCIENCES (CODE 10569)

Course Coordinator: Scambelluri Marco	
Department of Earth, Environmental and Life Sciences (Dipartimento di Scienze della Terra, dell'Ambiente e della Vita – DISTAV)	
Places: 4 – Grants: 3 (*)	
<p>(*) 2 grants funded by the University of Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00;</p> <p>(*) 1 grant cofunded by MUR/Department (DISTAV), the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00;</p> <p>(°) 1 position reserved for RINA Consulting GET SRL employees;</p>	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	<p>24.07.2024 – ore h.9,30 (CET). Online modality, by contacting in advance and in due time Prof. Marco Scambelluri Dipartimento di Scienze della Terra dell'Ambiente e della Vita (DISTAV) (+39) 0103538307 marco.scambelluri@unige.it</p>
Further information on how to present qualifications/publications	<p>By titles are meant all information contained in the application form and in the documents attached to it. The application must be accompanied by:</p> <ol style="list-style-type: none"> the candidate's curriculum vitae et studiorum (maximum ten pages), with indication of the degree mark. a research project relating to one of the research topics published in the call for the XL cycle of the Doctorate in Sciences and Technologies for the Earth and the Environment of the University of Genoa (Earth Sciences curriculum; maximum ten pages). a document containing the title and an abstract of the Master' s degree thesis, together with the list of exams taken and their marks. any additional documented qualification acquired during the candidate's career and relating to the proposed research project and to the research topics pertinent to the PhD Program (maximum ten pages). up to maximum three reference letters: more detail is provided in the in the present call at the section “<i>Information on references</i>”. <p>Candidates can write their project and application forms either in Italian or in English</p> <p><u>Failure in submitting a project on one of the topics listed below will determine the candidate's exclusion from the selection</u></p>
Exam Syllabus	<p>The interview will deal with:</p> <ol style="list-style-type: none"> the general knowledge of geological themes, processes and topics of general interest and of specific interest to the proposed research. an in-depth discussion of the activity carried out by the PhD candidate during his/her studies and during the master degree thesis. The interview will also test the candidate's knowledge of basic topics, of analytical and work tools and of the experimental methodologies pertinent to the research topic dealt with in the project presented. the specific research topic that the candidate aims to develop during the research doctorate. an evaluation of the candidate's knowledge of the English language.
Research Themes	<p>The following list reports the titles of research topics on which the STAT Doctorate fellowships (XL Cycle, Earth Sciences curriculum), are addressed. More detailed information on the research topics is available on the STAT PhD website (http://www.distav.unige.it/phdstat/it - Research topics).</p> <p>Candidates must choose <u>only one of the six research topics</u> listed below: presentation of projects on topics different from those listed below will determine the candidate's exclusion from the selection.</p> <ol style="list-style-type: none"> Finding and characterising the record of seismic cycles in exhumed oceanic rocks (University grant). Timing, facies and (bio)diversity of the shallow marine deposits of the Oligocene transgression in Liguria and southern Piedmont: coupling biostratigraphic data and high resolution palaeoenvironmental reconstructions (University grant).

	<p>3) Multi-parametric monitoring of the seismogenic process: definition of seismic precursors and their application in the field of earthquake forecasting (University grant).</p> <p>4) Unraveling Earth's interior: harnessing extensive seismic data sets for analysis (University grant).</p> <p>5) Geochemical modelling of groundwater mixing with wastewater in coastal aquifers (co-funded with MUR/Department grant).</p> <p>6) Evolutionary palaeoecology applied to environmental biomonitoring by means of benthic communities (industrial scholarship intended for employees of RINA Consulting GET SRL).</p>
Information on references	<p>In accordance with article 3 paragraph 3 of the call, the candidate must choose minimum one, up to three referents supporting their PhD application.</p> <p>In their application forms, the PhD candidates must indicate the name, qualification and Institution of each referent. Referents must be University professors and researchers, or well-known experts in the subject. Referents must send their letters in "pdf" format, within the deadline for submitting the application to Prof. Prof. Marco Scambelluri (marco.scambelluri@unige.it, the responsible for the Doctorate curriculum).</p>
Foreign Languages	English
Further Information	<p>Further information is available on the doctorate website (http://www.distav.unige.it/phdstat/it) and can be requested to</p> <ul style="list-style-type: none"> • Prof. Laura Federico (laura.federico@unige.it), for theme 1; • Prof. Antonino Briguglio (antonino.briguglio@unige.it), for theme 2; • Prof. Simone Barani (simone.barani@unige.it), for theme 3; • Prof. Daniele Spallarossa (daniele.spallarossa@unige.it), for theme 4; • Prof. Marino Zuccolini (marino.zuccolini@unige.it), for theme 5; • Prof. Antonino Briguglio (antonino.briguglio@unige.it), for theme 6; • Prof. Marco Scambelluri (marco.scambelluri@unige.it), PhD coordinator.

Course: SCIENCE AND TECHNOLOGY FOR ELECTRICAL ENGINEERING, COMPLEX SYSTEMS FOR MOBILITY

Curriculum: ELECTRICAL ENGINEERING (CODE 10570)

Course Coordinator: Marchesoni Mario	
Department of Marine, Electrical, Electronic and Telecommunications Engineering (Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni – DITEN)	
Places: 4 – Grants: 4 (*)	
(*) 4 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 18.500,00.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	19.07.2024 9.00 am Telematic mode (Skype or similar software) by contacting Prof. Andrea Formentini, e-mail andrea.formentini@unige.it , within the day before the interview
Further information on how to present qualifications/publications	Applicants will have to submit: 1) a research project up to 10 pages long; 2) an updated CV; 3) a short abstract of the master's thesis, if available. Candidates who have not yet graduated must present the list and the marks of the exams passed in the master's degree program up to the moment of submission of the application.
Exam Syllabus	Interview on the submitted research project, the PhD course topics, and the candidate's specific interests in the field. English language test.
Research Themes	(A) Automation: industry, process and transport. Manufacturing plants modeling. Management, monitoring and control of electrical systems. Innovative techniques and optimization for electromagnetic device design. Electric drives for robotics, manufacturing automation and processes. Advanced instrumentation and fieldbus applications. (B) Energy: Protection from electrostatic hazard. Insulation defects evaluation with partial discharge measurement. Technical-economic evaluations for the energy market. Distributed generation. Quality of service. Optimization algorithms, distribution management systems, load forecasts and renewable energy resources, with methods based on artificial intelligence, data mining, big data and probabilistic safety assessment. Switches, machines, electric actuators and magnetic devices for energy storage. Static energy converters. (C) Electronics: Modeling of power electronic systems and components. Advanced control techniques for converters. Electrostatic discharge protection systems for electronic devices. Complex systems modeling. Analysis and synthesis of circuits and nonlinear dynamic systems. Neural networks. Electronic systems design. (D) Electromagnetic compatibility among electrical, power electronic and communications systems. Modeling, simulation and measurement methods. Lightning current numerical modeling. Electromagnetic modeling with full Maxwell approach. (E) Transport: Modeling for RAMS predictive analysis. Electrified systems for public transport. Energy management of electric and hybrid vehicles. Electric traction motor diagnostics. Electric drives for rail traction, road and ship propulsion. (F) Environment: Numerical simulation and measurement and field reduction techniques. Optimized design of low emission devices. Low environmental impact systems.
Information on references	Candidates must choose not less than one and not more than three referees to support the application. These referees must be university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the public notice, to Prof. Andrea Formentini at the following address: andrea.formentini@unige.it The name, status and service place of the referees chosen by the candidates must be stated in their applications.
Foreign Languages	English

Further Information	<p>Prof. Mario Marchesoni University of Genova DITEN (Department of Electrical, Electronics and Telecommunication Engineering and Naval Architecture) Via all'Opera Pia 11a, I-16145 - Genova, Italy mario.marchesoni@unige.it tel: +39 0103532183; fax: +39 0103532700;</p> <p>Laura Brunelli University of Genova DITEN (Department of Electrical, Electronics and Telecommunication Engineering and Naval Architecture) Via all'Opera Pia 11a, I-16145 - Genova, Italy brunelli@dinav.unige.it tel: +39 0103532286; fax: + 39 0103532777</p>
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Course: SCIENCE AND TECHNOLOGY FOR ELECTRICAL ENGINEERING, COMPLEX SYSTEMS FOR MOBILITY

Curriculum: COMPLEX SYSTEMS FOR MOBILITY (CODE 10571)

Course Coordinator: Marchesoni Mario	
Department of Marine, Electrical, Electronic and Telecommunications Engineering (Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni – DITEN)	
Places: 2 (°) – Grants: 1 (*)	
(*) 1 grant funded within D.M. 630 dated 24.4.2024 (co-funded by RSE S.p.A.), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 18.500,00 (CUP D32B24000660008)	
(°) 1 position reserved for CETENA S.p.A. employees	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	19.07.2024 9.00 am Telematic mode (Skype or similar software) by contacting Prof. Federico Silvestro, e-mail federico.silvestro@unige.it , within the day before the interview.
Further information on how to present qualifications/publications	Applicants will have to submit: 1) a research project up to 10 pages long; 2) an updated CV; 3) a short abstract of the master's thesis, if available. Candidates who have not yet graduated must present the list and the marks of the exams passed in the master's degree program up to the moment of submission of the application.
Exam Syllabus	Interview on the submitted research project, the PhD course topics, and the candidate's specific interests in the field. English language test.
Research Themes	(A) Complex systems in electrical and naval engineering: electrical networks, naval systems, automation systems. (B) Intelligent mobility of people and goods: planning aspects (for example relating to local public transport, city logistics, etc.), simulation, of "intelligent" transport systems (infomobility, AVM, V2V, V2I communication, etc.), evaluation of the transport external costs. (C) Maritime and marine transport systems: systems to support navigation safety and development of technologies and planning systems to support European policies of "Integrated Coastal Zone Management" and "Maritime Spatial Planning". (D) Components and technological systems for means of transport that allow to reduce the external costs of transport and to raise safety levels: electric propulsion systems for road or rail electric and hybrid vehicles, management of the energy flows of such vehicles, modeling for predictive RAMS analysis, traffic management and control systems in constrained driving systems, electronics and electric traction drives. (E) Modeling of complex systems: formulation / identification of mathematical models (starting from experimental data) and their analysis and numerical simulation. The models will mainly refer to the electrical and naval sector, but they also may concern more general problems whose solution is of application interest for these sectors (for example, electrical activity of neuron networks or circuits).
Information on references	Candidates must choose not less than one and not more than three referees to support the application. These referees must be university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the public notice, to the contact person of the Complex Systems for Mobility Curriculum at the following address: federico.silvestro@unige.it The name, status and service place of the referees chosen by the candidates must be stated in their applications.
Foreign Languages	English

Further Information	<p>Prof. Federico Silvestro University of Genova DITEN (Department of Electrical, Electronics and Telecommunication Engineering and Naval Architecture) via all'Opera Pia, 11a, I-16145 - Genova, Italy E-mail: federico.silvestro@unige.it Tel: +39-010-353-2723; fax: +39-010-353-2700;</p> <p>Laura Brunelli University of Genova DITEN (Department of Electrical, Electronics and Telecommunication Engineering and Naval Architecture) Via all'Opera Pia 11a, I-16145 - Genova, Italy brunelli@dinav.unige.it tel: +39 0103532286; fax: + 39 0103532777 tel: +39 0103532286; fax: + 39 0103532777</p>
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Course: SCIENCE AND TECHNOLOGY FOR ELECTRICAL ENGINEERING, COMPLEX SYSTEMS FOR MOBILITY

Curriculum: COMPLEX SYSTEMS FOR MOBILITY (CODE 10572)

Course Coordinator: Marchesoni Mario	
Department of Marine, Electrical, Electronic and Telecommunications Engineering (Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni – DITEN)	
Places: 2 – Grants: 2 (*)	
(*) 1 grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of Fincantieri S.p.A., under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 18.500,00. Research project: Aspects and methods for the analysis of the stability of DC distributed grids (DCGRID)	
(*) 1 grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of CETENA S.p.A., under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 18.500,00. Research project: Numerical modeling and technological solutions for on-board electrical grid (MBD)	
Comparative assessment procedure	<p>QUALIFICATIONS/PUBLICATIONS AND EXAM</p> <ul style="list-style-type: none"> • Assessment of qualifications/publications and the curriculum vitae et studiorum • Written test (research project) • Interview that includes the description of the candidate's research area of interest, also on the basis of previous activities stated in his/her scientific professional curriculum
Interview	<p>19.07.2024 9.00 am</p> <p>Telematic mode (Skype or similar software) by contacting Prof. Federico Silvestro, e-mail federico.silvestro@unige.it, within the day before the interview.</p>
Further information on how to present qualifications/publications	<p>Applicants will have to submit:</p> <p>1) a research project up to 10 pages long, relating to one of the topics listed below in the "Research Themes"; 2) an updated CV; 3) a short abstract of the master's thesis, if available. Candidates who have not yet graduated must present the list and the marks of the exams</p>
Exam Syllabus	<p>Interview on the submitted research project, the PhD course topics, and the candidate's specific interests in the field. English language test.</p>
Research Themes	<p>Curriculum's Research Theme</p> <p>(A) Dynamic Load Modelling: Dynamic modeling of extra propulsive loads and system analysis of storage systems for analysis of pulsating loads on future naval vessels.</p> <p>(B) Innovative Electric Grid Architecture: Dynamic modeling of innovative AC and DC electrical architectures, in low and medium voltage, of future naval vessels</p> <p>(C) Integrated Controls of Marine Electric Power Systems: Dynamic modeling of complex electrical systems and their optimal shipboard management and control systems</p> <p>(D) Complex systems in electrical and naval engineering: electrical networks, naval systems, automation systems.</p> <p>(E) Components and technological systems for means of transport that allow to reduce the external costs of transport and to raise safety levels: electric propulsion systems for road or rail electric and hybrid vehicles, management of the energy flows of such vehicles, modeling for predictive RAMS analysis, traffic management and control systems in constrained driving systems, electronics and electric traction drives.</p> <p>(F) Modeling of complex systems: formulation / identification of mathematical models (starting from experimental data) and their analysis and numerical simulation. The models will mainly refer to the electrical and naval sector, but they also may concern more general problems whose solution is of application interest for these sectors (for example, electrical activity of neuron networks or circuits).</p> <p>Research themes of the grants funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f):</p> <ul style="list-style-type: none"> - Aspects and methods for the analysis of the stability of DC distributed grids (DCGRID) - Numerical modeling and technological solutions for on-board electrical grid (MBD)

Information on references	Candidates must choose not less than one and not more than three referees to support the application. These referees must be university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the public notice, to Prof. Federico Silvestro at the following address: federico.silvestro@unige.it The name, status and service place of the referees chosen by the candidates must be stated in their applications.
Foreign Languages	English
Further Information	Further information about commitments and conditions of the grants funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) are available in the Notice of competition (article 6, paragraph 6) Months to be spent abroad: 3

Course: SCIENCE AND TECHNOLOGY FOR ELECTRONIC AND TELECOMMUNICATION ENGINEERING
In agreement with the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia – IIT)

Curriculum: ELECTROMAGNETISM, ELECTRONICS, TELECOMMUNICATIONS (CODE 10573)

Course Coordinator: Valle Maurizio	
Department of Marine, Electrical, Electronic and Telecommunications Engineering (Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni – DITEN)	
Places: 11 – Grants: 9 (*)	
<p>(*) 6 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00</p> <p>(*) 1 grant cofunded by MUR/Department (DITEN), the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00.</p> <p>(*) 1 grant funded within D.M. 629 dated 24.04.2024 (PA, Public Administration), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00 (CUP D32B24000480006)</p> <p>(*) 1 grant funded within D.M. 630 dated 24.04.2024 (co-funded by: Sababa S.p.A.), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00 (CUP D32B24000630008)</p> <p>(°) 1 Place reserved to employees of AizoOn Spa.</p> <p>(°) 1 Place reserved to employees of Libanese International University</p>	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	24.07.2024 - 09.30 am CET at the Electrical, Electronics and Telecommunication Engineering and Naval Architecture Department (DITEN), University of Genova, Via Opera Pia 11A – 16145 Genova or alternatively by telematic mode through videoconference
Further information on how to present qualifications/publications	<p>In presenting their CV, it is MANDATORY for candidates to highlight the following features as they will be used as evaluation parameters: publications (e.g. in International Journals, International Conferences, Book Chapters), the degree mark (or equivalent qualification) obtained, work experience and acquired skills.</p> <p>It is also VERY IMPORTANT for candidates to highlight the following features when presenting their research project as they will be used as evaluative parameters: Relevance to the research themes that appear in this public exam, Originality, Execution modalities, Feasibility, Clear presentation/exposition.</p> <p>A possible outline for the presentation of the research project plan, which must not exceed 10 pages, is the following:</p> <ul style="list-style-type: none"> - motivations and logic foundation; - state of the art; - objectives; - methods employed; - preliminary workplan; - expected outcomes; - bibliography.
Exam Syllabus	<p>The interview will aim to verify the candidate's competence in relation to the listed research topics and the methodological ability to deal with research projects. In addition, the interview will also focus on the content of the research project, inherent to one of the listed research themes, submitted by the candidate.</p> <p>The interviews may also take place electronically through MS Teams with video mode enabled to check the candidate's identity, upon request sent by e-mail to the Coordinator of the Doctoral Course, Prof. Maurizio Valle (maurizio.valle@unige.it), subject: Interview Ph.D. STIET XL cycle – CURRICULUM EET.</p>

Research Themes	<ol style="list-style-type: none"> 1. Hardware-Software architectures for TinyML signal processing 2. Generative Models and Deep Reinforcement Learning Applications 3. Novel inversion techniques for electromagnetic imaging and antenna diagnostics 4. Neuromorphic circuits and systems for Human Machine Interfaces 5. Active inference in multisensor autonomous agents: building perception, decision-making, and action models from experience 6. Embodied cognition and self-aware semantic communication for intelligently connected networks of things 7. Probabilistic graphical models and machine learning methods for remote sensing image analysis 8. Edge Computing solutions for Aerial/Satellite networks 9. Secure and Sustainable AiOps in 6G networks 10. Fully-synthesizable and regulatorless integrated sensor nodes for IC for biomedical applications 11. Environmental monitoring of territories at hydrogeological risk through distributed and interconnected intelligence systems applied to sensor networks based on commercial microwave links (DM 629 – PA) 12. Innovation in Cyber Operation Technology (OT) Monitoring (DM 630 – Cofunded by Sababa Spa) 13. Techniques and Methods for the Implementation of Energy Autonomous Embedded Machine Learning for Sensing Systems 14. Advanced image analysis techniques
Information on references	<p>Candidates MUST choose AT LEAST one and not more than three referees to support their candidacy. The referees must be university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the public notice, to the Coordinator of the Doctoral Course at the following e-mail address maurizio.valle@unige.it, with subject: Ph.D. STIET XL cycle_ Candidate Name_ reference letter</p> <p>The candidate MUST indicate in the submitted application names, status and affiliation of the referees.</p> <p>The referees MUST clearly indicate in the reference letters the supported candidate's aptitude to scientific research development.</p>
Foreign Languages	English
Further Information	<p>Prof. Maurizio Valle DITEN - Università di Genova Via Opera Pia 11A 16145, Genova, Italy maurizio.valle@unige.it</p>

**Course: SCIENCE AND TECHNOLOGY FOR ELECTRONIC AND TELECOMMUNICATION ENGINEERING
In agreement with the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia – IIT)**

Curriculum: ELECTROMAGNETISM, ELECTRONICS, TELECOMMUNICATIONS (CODE 10574)

Course Coordinator: Valle Maurizio	
Department of Marine, Electrical, Electronic and Telecommunications Engineering (Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni – DITEN)	
Places: 3 – Grants: 3 (*)	
<p>(*) 1 grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of DCube Srl, under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500. Research project: Electronic systems based on advance Artificial Intelligence models for the analysis of complex information sources and multimedia signals</p> <p>(*) 1 grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of FOS Spa, under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500. Research project: AI edge computing for Industrial Internet of Things</p> <p>(*) 1 grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of EsaOte Spa, under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500. Research project: Development of receiving coils for high field MRI systems</p>	
Comparative assessment procedure	<p>QUALIFICATIONS/PUBLICATIONS AND EXAM</p> <ul style="list-style-type: none"> • Assessment of qualifications/publications and the curriculum vitae et studiorum • Written test (research project) • Interview that includes the description of the candidate’s research area of interest, also on the basis of previous activities stated in his/her scientific professional curriculum
Interview	24.07.2024 - 09.30 am CET at the Electrical, Electronics and Telecommunication Engineering and Naval Architecture Department (DITEN), University of Genova, Via Opera Pia 11A – 16145 Genova or alternatively by telematic mode through videoconference
Further information on how to present qualifications/publications	<p>In presenting their CV, it is important for candidates to highlight the following features as they will be used as evaluation parameters: publications (e.g. in International Journals, International Conferences, Book Chapters), the degree mark (or equivalent qualification) obtained, work experience and acquired skills.</p> <p>It is also important for candidates to highlight the following features when presenting their research project as they will be used as evaluative parameters: Relevance to the research themes that appear in this public exam, Originality, Execution modalities, Feasibility, Clear presentation/exposition.</p> <p>A possible outline for the presentation of the research project plan, which must not exceed 10 pages, is the following:</p> <ul style="list-style-type: none"> - motivations and logic foundation; - state of the art; - objectives; - methods employed; - preliminary workplan; - expected outcomes; - bibliography.
Exam Syllabus	<p>The interview will aim to verify the candidate's competence in relation to the listed research topics and the methodological ability to deal with research projects. In addition, the interview will also focus on the content of the research project, inherent to one of the listed research themes, submitted by the candidate.</p> <p>The interviews may also take place electronically through MS Teams with video mode enabled to check the candidate’s identity, upon request sent by e-mail to the Coordinator of the Doctoral Course, Prof. Maurizio Valle (maurizio.valle@unige.it), subject: Interview Ph.D. STIET XL cycle – CURRICULUM EET.</p>

Research Themes	<p>Research project for grant within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f):</p> <ul style="list-style-type: none"> - Electronic systems based on advance Artificial Intelligence models for the analysis of complex information sources and multimedia signals - AI edge computing for Industrial Internet of Things - Development of receiving coils for high field MRI systems
Information on references	<p>Candidates MUST choose AT LEAST one and not more than three referees to support their candidacy. The referees must be university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the public notice, to the Coordinator of the Doctoral Course at the following e-mail address maurizio.valle@unige.it, with subject: Ph.D. STIET XL cycle_ Candidate Name_ reference letter</p> <p>The candidate MUST indicate in the submitted application names, status and affiliation of the referees.</p> <p>The referees MUST clearly indicate in the reference letters the supported candidate's aptitude to scientific research development.</p>
Foreign Languages	English
Further Information	<p>Prof. Maurizio Valle DITEN - Università di Genova Via Opera Pia 11A 16145, Genova, Italy maurizio.valle@unige.it</p> <p>Further information about commitments and conditions of the grants funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) are available in the Notice of competition (article 6, paragraph 6)</p> <p>Months to be spent abroad: 0</p>

Course: SCIENCE AND TECHNOLOGY FOR ELECTRONIC AND TELECOMMUNICATION ENGINEERING
In agreement with the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia – IIT)

Curriculum: COMPUTATIONAL VISION, AUTOMATIC RECOGNITION AND LEARNING (CODE 10575)

Course Coordinator: Valle Maurizio	
Department of Marine, Electrical, Electronic and Telecommunications Engineering (Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni – DITEN)	
Places: 4 – Grants: 4 (*)	
(*) 4 grants funded by IIT, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	Interview: 25.07.2024 – 9:30 AM at IIT, Italian Institute of Technology, Via Enrico Melen, 83, Genoa or alternatively by telematic mode through videoconference MS Teams
Further information on how to present qualifications/publications	<p>The candidates must clearly highlight in the Curriculum Vitae the following features as they will be used for the evaluation: the publication list (e.g. in International Journals, International Conferences, Book Chapters), the achieved degree mark (or equivalent qualification), the work experience and acquired skills.</p> <p>The following features of the submitted research project will be assessed in particular: relevance to the research themes that appear in this public call, originality, implementation, feasibility, clarity of presentation.</p> <p>The research project MAXIMUM LENGTH IS 10 PAGES</p> <p>A possible structure of the research project plan is the following:</p> <ul style="list-style-type: none"> - Motivations and rationale - State of the art - Objectives - Employed methods - Preliminary work plan - Expected outcomes - Bibliography <p>More info: https://pavisdata.iit.it/data/phd/ResearchProjectTemplate.pdf</p>
Exam Syllabus	<p>The interview will aim to verify the candidate's competence in relation to the listed research topics and the methodological ability to deal with research projects. In addition, the interview will also focus on the themes of the research project, inherent to the listed research themes, submitted by the candidate.</p> <p>The interviews may also take place electronically through MS Teams with video mode enabled to check the candidate's identity, upon request sent by e-mail to the Coordinator of the Doctoral Course, Prof. Maurizio Valle maurizio.valle@unige.it and to Dr. Alessio Del Bue alessio.delbue@iit.it, subject: Interview Ph.D. STIET XL cycle – CURRICULUM CVARL.</p>
Research Themes	<p>Theme A: Generative Multi-modal models for spatial perception and robotic behavior generation</p> <p>Theme B: Topological Deep Learning and Graph Neural Networks</p> <p>Theme C: Leveraging generative AI to learn in imperfect data regime</p> <p>Theme D: Learning with imperfect data: Transfer Learning, Unsupervised Domain Adaptation and Domain Generalization</p> <p>More detailed information on the specific themes and indication of supervisors, at https://pavisdata.iit.it/data/phd/2024_2025_ResearchTopicsPhD_IIT-PAVIS.pdf</p>
Information on references	<p>Candidates MUST choose not less than one and not more than three referees to support their candidacy. The referees must be university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the public notice, to the Coordinator of the Doctoral Course at the following addresses: maurizio.valle@unige.it e alessio.delbue@iit.it, with subject: Ph.D. STIET XL Cycle_ Candidate Name_ reference letter</p> <p>The candidate MUST indicate in the submitted application names, status and affiliation of the referees.</p> <p>The referees MUST clearly indicate in the reference letters the supported candidate's aptitude to scientific research development.</p>
Foreign Languages	English

Further Information	Prof. Maurizio Valle DITEN - Università di Genova Via Opera Pia 11A 16145, Genova, Italy maurizio.valle@unige.it and Dr. Alessio Del Bue, Ph.D. Director, PAVIS - Pattern Analysis & Computer Vision IIT Istituto Italiano di Tecnologia Via Enrico Melen, 83, 16152, Genova, GE alessio.delbue@iit.it
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Course: PAEDIATRIC SCIENCES
In agreement with IRCCS Istituto Giannina Gaslini

Curriculum: ENDOCRINOLOGY AND DIABETOLOGY (CODE 10576)

Course Coordinator: Striano Pasquale	
Department of Neurosciences, Rehabilitation, Ophthalmology, Genetics and Mother and Child Sciences (Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili – DINO GMI)	
Places: 1 – Grants: 1 (*)	
(*) 1 grant funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 19.500,00	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	23.07.2024 – 2 pm, Aula Magna - Hall 16, 1st floor, Gaslini Children's Hospital, Genoa. The interview can take place, at the request of the person concerned for proven impediments to appear in person or if the health situation makes it necessary, also in telematic mode. Candidates who require the telematic modality must contact with adequate notice Prof. Pasquale Striano (pstriano@unige.it) and Dott.ssa Chiara Armani (chiara.armani@unige.it).
Exam Syllabus	Contents of the Interview: - previous experience of research work, including that relating to the thesis; - project ideas; - knowledge of basic methodologies for clinical and laboratory research; - knowledge of English through the presentation of the research project
Research Themes	Pediatric Endocrinology
Information on references	Candidates must choose no less than one and no more than three candidates to support the application. These contacts must be university lecturers or subject matter experts. It will be the responsibility of the contact persons to send the reference letters, within the deadline of the deadline of the call, to the Coordinator of the PhD course Prof. Pasquale Striano (pstriano@unige.it) and for information to: chiara.armani@unige.it.
Foreign Languages	English

Course: PAEDIATRIC SCIENCES
In agreement with IRCCS Istituto Giannina Gaslini

Curriculum: GENETICS (CODE 10577)

Course Coordinator: Striano Pasquale	
Department of Neurosciences, Rehabilitation, Ophthalmology, Genetics and Mother and Child Sciences (Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili – DINO GMI)	
Places: 1 – Grants: 1 (*)	
(*) 1 grant cofunded by MUR/Department (DINO GMI), the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 19.500,00	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	23.07.2024 – 2 pm, Aula Magna - Hall 16, 1st floor, Gaslini Children's Hospital, Genoa. The interview can take place, at the request of the person concerned for proven impediments to appear in person or if the health situation makes it necessary, also in telematic mode. Candidates who require the telematic modality must contact with adequate notice Prof. Pasquale Striano (pstriano@unige.it) and Dott.ssa Chiara Armani (chiara.armani@unige.it).
Exam Syllabus	Contents of the Interview: - previous experience of research work, including that relating to the thesis; - project ideas; - knowledge of basic methodologies for clinical and laboratory research; - knowledge of English through the presentation of the research project
Research Themes	Genetic Disorders
Information on references	Candidates must choose no less than one and no more than three candidates to support the application. These contacts must be university lecturers or subject matter experts. It will be the responsibility of the contact persons to send the reference letters, within the deadline of the deadline of the call, to the Coordinator of the PhD course Prof. Pasquale Striano (pstriano@unige.it) and for information to: chiara.armani@unige.it.
Foreign Languages	English

Course: PAEDIATRIC SCIENCES
In agreement with IRCCS Istituto Giannina Gaslini

Curriculum: MUSCULAR, NEURODEGENERATIVE, METABOLIC DISEASES IN CHILDREN, ADOLESCENTS
(CODE 10578)

Course Coordinator: Striano Pasquale	
Department of Neurosciences, Rehabilitation, Ophthalmology, Genetics and Mother and Child Sciences (Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili – DINO GMI)	
Places: 1 – Grants: 1 (*)	
(*) 1 grant funded by Department (DINO GMI), the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 19.500,00	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	23.07.2024 – 2 pm, Aula Magna - Hall 16, 1st floor, Gaslini Children's Hospital, Genoa. The interview can take place, at the request of the person concerned for proven impediments to appear in person or if the health situation makes it necessary, also in telematic mode. Candidates who require the telematic modality must contact with adequate notice Prof. Pasquale Striano (pstriano@unige.it) and Dott.ssa Chiara Armani (chiara.armani@unige.it).
Exam Syllabus	Contents of the Interview: - previous experience of research work, including that relating to the thesis; - project ideas; - knowledge of basic methodologies for clinical and laboratory research; - knowledge of English through the presentation of the research project
Research Themes	Pediatric Neurology, Neurological disorders, Neuromuscular disorders
Information on references	Candidates must choose no less than one and no more than three candidates to support the application. These contacts must be university lecturers or subject matter experts. It will be the responsibility of the contact persons to send the reference letters, within the deadline of the deadline of the call, to the Coordinator of the PhD course Prof. Pasquale Striano (pstriano@unige.it) and for information to: chiara.armani@unige.it.
Foreign Languages	English

Course: PAEDIATRIC SCIENCES
In agreement with IRCCS Istituto Giannina Gaslini

Curriculum: FOETAL-PERINATAL AND PAEDIATRIC PATHOLOGY (CODE 10579)

Course Coordinator: Striano Pasquale	
Department of Neurosciences, Rehabilitation, Ophthalmology, Genetics and Mother and Child Sciences (Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili – DINO GMI)	
Places: 1 – Grants: 1 (*)	
(*) 1 grant funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 19.500,00	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	23.07.2024 – 2 pm, Aula Magna - Hall 16, 1st floor, Gaslini Children's Hospital, Genoa. The interview can take place, at the request of the person concerned for proven impediments to appear in person or if the health situation makes it necessary, also in telematic mode. Candidates who require the telematic modality must contact with adequate notice Prof. Pasquale Striano (psriano@unige.it) and Dott.ssa Chiara Armani (chiara.armani@unige.it).
Exam Syllabus	Contents of the Interview: - previous experience of research work, including that relating to the thesis; - project ideas; - knowledge of basic methodologies for clinical and laboratory research; - knowledge of English through the presentation of the research project
Research Themes	Foetal-perinatal and paediatric pathology
Information on references	Candidates must choose no less than one and no more than three candidates to support the application. These contacts must be university lecturers or subject matter experts. It will be the responsibility of the contact persons to send the reference letters, within the deadline of the deadline of the call, to the Coordinator of the PhD course Prof. Pasquale Striano (psriano@unige.it) and for information to: chiara.armani@unige.it .
Foreign Languages	English

Course: PAEDIATRIC SCIENCES
In agreement with IRCCS Istituto Giannina Gaslini

Curriculum: PAEDIATRIC RHEUMATOLOGY (CODE 10580)

Course Coordinator: Striano Pasquale	
Department of Neurosciences, Rehabilitation, Ophthalmology, Genetics and Mother and Child Sciences (Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili – DINOGMI)	
Places: 3 – Grants: 3 (*)	
(*) 1 grant funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 19.500,00. (*) 2 grants funded by Department (DINOGMI), the annual gross amount of the grants, including social security expenses to be paid by the recipient, is € 19.500,00	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	23.07.2024 – 2 pm, Aula Magna, Aula Museo - Hall 16, 1st floor, Gaslini Children's Hospital, Genoa. The interview can take place, at the request of the person concerned for proven impediments to appear in person or if the health situation makes it necessary, also in telematic mode. Candidates who require the telematic modality must contact with adequate notice Prof. Pasquale Striano (pstriano@unige.it) and Dott.ssa Chiara Armani (chiara.armani@unige.it).
Exam Syllabus	Contents of the Interview: - previous experience of research work, including that relating to the thesis; - project ideas; - knowledge of basic methodologies for clinical and laboratory research; - knowledge of English through the presentation of the research project
Research Themes	Pediatric Rheumatology
Information on references	Candidates must choose no less than one and no more than three candidates to support the application. These contacts must be university lecturers or subject matter experts. It will be the responsibility of the contact persons to send the reference letters, within the deadline of the deadline of the call, to the Coordinator of the PhD course Prof. Pasquale Striano (pstriano@unige.it) and for information to: chiara.armani@unige.it.
Foreign Languages	English

Course: PAEDIATRIC SCIENCES
In agreement with IRCCS Istituto Giannina Gaslini

Curriculum: PAEDIATRIC SPECIALITIES (CODE 10581)

Course Coordinator: Striano Pasquale	
Department of Neurosciences, Rehabilitation, Ophthalmology, Genetics and Mother and Child Sciences (Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili – DINOEMI)	
Places: 9 (°) – Grants: 6 (*)	
(*) 1 grant funded within D.M. 630 dated 24.04.2024 (cofunded by: More Than Access Srl Società Benefit), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 19.500,00 (CUP D32B24000610008). (*) 5 grants funded by IRCCS Istituto Giannina Gaslini, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 19.500,00. (°) 3 positions reserved for IRCCS Istituto Giannina Gaslini employees.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	23.07.2024 – 2 pm, Aula Magna - Hall 16, 1st floor, Gaslini Children's Hospital, Genoa. The interview can take place, at the request of the person concerned for proven impediments to appear in person or if the health situation makes it necessary, also in telematic mode. Candidates who require the telematic modality must contact with adequate notice Prof. Pasquale Striano (pstriano@unige.it) and Dott.ssa Chiara Armani (chiara.armani@unige.it).
Exam Syllabus	Contents of the Interview: - previous experience of research work, including that relating to the thesis; - project ideas; - knowledge of basic methodologies for clinical and laboratory research; - knowledge of English through the presentation of the research project
Research Themes	Paediatric Specialties Research theme for grant funded within D.M. 630/2024: Volumetric Absorptive Microsampling (VAMS) for Monitoring Neuropsychiatric Drug Levels
Information on references	Candidates must choose no less than one and no more than three candidates to support the application. These contacts must be university lecturers or subject matter experts. It will be the responsibility of the contact persons to send the reference letters, within the deadline of the deadline of the call, to the Coordinator of the PhD course Prof. Pasquale Striano (pstriano@unige.it) and for information to: chiara.armani@unige.it.
Foreign Languages	English

Course: PAEDIATRIC SCIENCES
In agreement with IRCCS Istituto Giannina Gaslini

Curriculum: PAEDIATRIC SPECIALITIES (CODE 10582)

Course Coordinator: Striano Pasquale	
Department of Neurosciences, Rehabilitation, Ophthalmology, Genetics and Mother and Child Sciences (Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili – DINOEMI)	
Places: 3 (°) – Grants: 3 (*)	
(*) 2 grants funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of IRCCS Istituto G. Gaslini, under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00. Research project 1: Pathological role of circulating hypo-sialylated IgM in nephrotic syndrome. Research project 2: Multi-domain robotic and technological rehabilitation in developmental age: new intervention models.	
(*) 1 grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of Kolfarma srl, under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00. Research project: Study of the interactions between diet and effectiveness of an AFMS for autism.	
Comparative assessment procedure	QUALIFICATIONS AND EXAM <ul style="list-style-type: none"> ● Evaluation of qualifications and professional scientific curriculum ● Written test (research project) ● Interview which also includes the illustration of the research activities of interest to the candidate on the basis of previous activities declared in the scientific-professional curriculum
Interview	23.07.2024 – 2 pm, Aula Magna - Hall 16, 1st floor, Gaslini Children's Hospital, Genoa. The interview can take place, at the request of the person concerned for proven impediments to appear in person or if the health situation makes it necessary, also in telematic mode. Candidates who require the telematic modality must contact with adequate notice Prof. Pasquale Striano (pstriano@unige.it) and Dott.ssa Chiara Armani (chiara.armani@unige.it).
Exam Syllabus	Contents of the Interview: <ul style="list-style-type: none"> - previous experience of research work, including that relating to the thesis; - project ideas; - knowledge of basic methodologies for clinical and laboratory research; - knowledge of English through the presentation of the research project
Research Themes	Research project 1 (IRCCS Ist. G. Gaslini): Pathological role of circulating hypo-sialylated IgM in nephrotic syndrome. Research project 2 (IRCCS Ist. G. Gaslini): Multi-domain robotic and technological rehabilitation in developmental age: new intervention models. Research project (Kolfarma srl): Study of the interactions between diet and effectiveness of an AFMS for autism.
Information on references	Candidates must choose no less than one and no more than three candidates to support the application. These contacts must be university lecturers or subject matter experts. It will be the responsibility of the contact persons to send the reference letters, within the deadline of the deadline of the call, to the Coordinator of the PhD course Prof. Pasquale Striano (pstriano@unige.it) and for information to: chiara.armani@unige.it.
Foreign Languages	English

Course Coordinator: Paolo Parra Saiani	
Department of International and Political Sciences (DISPI)	
Places: 3 – Grants: 3 (*)	
(*) 2 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (*) 1 grant funded within D.M. 630 del 24.04.2024 (co-funded by Agorà), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (CUP D32B24000580008)	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	22.07.2024 – 9.00 am The interview will take place in telematic mode through the Teams platform
Further information on how to present qualifications/publications	The following will be assessed: 1. The quality of the research project presented (before writing the research project please carefully read the instructions at this link: https://tinyurl.com/mw9xnhzd) 2. Research experience and scientific publications. 3. Thesis of the 5 or 4-year degree course, which must be attached in PDF format. 4. Academic curriculum and degree mark. 5. Specific experiences relevant to the Doctorate themes
Exam Syllabus	For the admission to the interview, a minimum score, decided by the Commission, and resulting from the qualifications and the project (please carefully read the instructions at this link: https://tinyurl.com/mw9xnhzd) evaluation, is required. The interview will focus on the discussion of the research project and of the qualifications presented, with special reference to some aspects of research methodologies and data analysis techniques within the specific subject areas. During the interview, the candidate's real motivation, together with his/her knowledge of two European languages (Italian, English, French and Spanish) will be assessed.).
Research Themes	<ul style="list-style-type: none"> - Integration, acculturation and identity construction processes through different levels of analysis (individual, family, group), - Transnational migration, migrant families and young people with a migration background in social and educational contexts - Ingroup-outgroup relationships in various contexts (educational, formative and work-related). - Intercultural processes in the wake of migration movements both for the countries of origin and in those of arrival. - Reception systems; forced migrations, environmental migrations and transformations following migrations in urban and rural contexts from local to global. - Analysis of the skills of public and private social workers and development of training models - Demographic and spatial dynamics related to depopulation and relocation processes in marginal regions. - Displacement and relocation processes in relation to climate change and environmental emergency contexts. - Storytelling, in all its modes and forms, as an opportunity for knowledge, analysis, interpretation of intercultural processes and inclusion. - Sustainability, inequalities and social impact - Analysis and development of operators' skills with reflective methods in a multicultural context (research theme for D.M. 630, 24/04/24). <p>The doctoral course has an explicit interdisciplinary vocation, for this reason project proposals that go in the direction of research into theoretical-methodological connections across the social sciences (psychology, sociology, pedagogy, history, geography, anthropology) will be appreciated.</p>
Information on references	Reference letters are not required. Nonetheless, any reference letters received will not be taken into consideration for the final score.
Foreign Languages	English or French or Spanish
Further Information	Website: https://scienze-sociali.dottorato.unige.it/ Curriculum Coordinator: Prof. Nadia Rania, DISFOR, C.so Podestà 2 nadia.rania@uni.ge.it

	<p>Coordinator of the Phd Course in Social Science: Prof. Paolo Parra Saiani, DISPI, Piazzale Emanuele Brignole 3A paolo.parrasaiani@unige.it Administrative manager: Dott.ssa Valentina Gullà, DISFOR, C.so Podestà 2, dottoratosciencesociali.disfor@unige.it</p>
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Course Coordinator: Paolo Parra Saiani	
Department of International and Political Sciences (DISPI)	
Places: 1 – Grants: 1 (*)	
(*) 1 grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of Istituto per le Tecnologie Didattiche (ITD) - CNR, under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is 16.500,00.	
Research project: Artificial intelligence and hybrid systems for the educational inclusion of migrant students.	
Comparative assessment procedure	<p>QUALIFICATIONS/PUBLICATIONS AND EXAM</p> <ul style="list-style-type: none"> • Assessment of qualifications/publications and the curriculum vitae et studiorum • Written test (research project to be uploaded to the application submission platform) • Interview that includes the description of the candidate's research area of interest, also on the basis of previous activities stated in his/her scientific professional curriculum
Interview	<p>22.07.2024 – 9.00 am</p> <p>The interview will take place in telematic mode through the Teams platform</p>
Further information on how to present qualifications/publications	<p>The following will be assessed:</p> <ol style="list-style-type: none"> 1. The quality of the research project presented (before writing the research project please carefully read the instructions at this link: https://tinyurl.com/mw9xnhzd) 2. Research experience and scientific publications. 3. Thesis of the 5 or 4-year degree course, which must be attached in PDF format. 4. Academic curriculum and degree mark. 5. Specific experiences relevant to the Doctorate themes
Exam Syllabus	<p>For the admission to the interview, a minimum score, decided by the Commission, and resulting from the qualifications and the project (please carefully read the instructions at this link: https://tinyurl.com/mw9xnhzd) evaluation, is required.</p> <p>The interview will focus on the discussion of the research project and of the qualifications presented, with special reference to some aspects of research methodologies and data analysis techniques within the specific subject areas.</p> <p>During the interview, the candidate's real motivation, together with his/her knowledge of two European languages (Italian, English, French and Spanish) will be assessed.)</p>
Research Themes	<p>- Artificial intelligence and hybrid systems for the educational inclusion of migrant students (research theme for PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f))</p> <p>The doctoral course has an explicit interdisciplinary vocation, for this reason project proposals that go in the direction of research into theoretical-methodological connections across the social sciences (psychology, sociology, pedagogy, history, geography, anthropology) will be appreciated.</p>
Information on references	Reference letters are not required. Nonetheless, any reference letters received will not be taken into consideration for the final score.
Foreign Languages	English or French or Spanish
Further Information	<p>Website: https://scienze sociali.dottorato.unige.it/</p> <p>Curriculum Coordinator: Prof. Nadia Rania, DISFOR, C.so Podestà 2 nadia.rania@unige.it</p> <p>Coordinator of the Phd Course in Social Science: Prof. Paolo Parra Saiani, DISPI, Piazzale Emanuele Brignole 3A paolo.parrasaiani@unige.it</p> <p>Administrative manager: Dott.ssa Valentina Gullà, DISFOR, C.so Podestà 2, dottoratoscienze sociali.disfor@unige.it</p>

Course: SOCIAL SCIENCES

Curriculum: POLITICAL THOUGHT, SOCIETY AND LAW (CODE 10585)

Course Coordinator: Paolo Parra Saiani	
Department of International and Political Sciences (DISPI)	
Places: 3 – Grants: 3 (*)	
(*) 2 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500. (*) 1 grant cofunded by MUR/Department (DISFOR), the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND EXAMS
Interview	25.07.2023 – 10:00 a.m. (CEST) – only online on Teams channel code yihqtuh The interview will take place after the publication of the evaluation on qualifications, curriculum vitae, motivation letter, research project and after the written exam. The interview will have as its main object the research project. The interview will be only online on the Teams channel code yihqtuh
Further information on how to present qualifications/publications	The examining commission reserves the right to fix a minimum score threshold to be obtained by candidates in the evaluation of their qualifications/publications, research project (max 3500 words), motivation letter and obtained after the written exam. The following will be evaluated: 1. The quality of the research project presented by the candidate (before writing the research project please carefully read the instructions at this link: https://tinyurl.com/mw9xnhzd) 2. Research experiences and scientific publications; 3. Academic curriculum and graduation mark
Exam Syllabus	The written exam will take place on 22.07.2024 from 10.00 to 12.00 (CEST) in the Aula Magna of the Albergo dei Poveri, Piazzale E. Brignole n. 2A, Genova. The written exam will consist in writing a paper on a topic connected to the curriculum “Political thought, society and law”. The interview will focus on: - the discussion of the presented research project (please carefully read the instructions at this link: https://tinyurl.com/mw9xnhzd) - the research project must be focused on the Research Theme of the Phd Course, viz. vulnerability in political thought, society and law, - disciplinary topics within the specific subject areas of the project - aspects of research methodologies within the specific subject areas. During the interview, the candidate’s knowledge of English language will be assessed.
Research Theme	Vulnerability in political thought, society and law
Information on references	Reference letters are not required. Any reference letters received will not be taken into consideration for the final score. A motivation letter is, on the contrary, required.
Foreign Languages	English
Further Information	Website: https://scienze-sociali.dottorato.unige.it/ Curriculum Coordinator: Prof.ssa Laura Carpaneto, DISPI, laura.carpaneto@unige.it Coordinator of the Phd Course in Social Science: Prof. Paolo Parra Saiani, DISPI, Piazzale Emanuele Brignole 3a, paolo.parrasaiani@unige.it Administrative manager: Dott.ssa Valentina Gullà, DISFOR, C.so Podestà 2, dottoratoscienze-sociali.disfor@unige.it

Course: SOCIAL SCIENCES

Curriculum: PSYCHOLOGY AND COGNITIVE SCIENCES (CODE 10586)

Course Coordinator: Paolo Parra Saiani	
Department of Political and International Sciences (DISPI)	
Places: 3 – Grants: 3 (*)	
(*) 2 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00	
(*) 1 grant funded within D.M. 629 dated 24.04.2024 (Pubblica Amministrazione), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (CUP D32B24000490006).	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	07.24.2024 – 9.30 a.m. , in person, at the Department of Educational Sciences (DISFOR), Corso Andrea Podestà 2, 16128, Genova, Italy. There is the possibility to have an online interview through the Teams platform. Applicants who are accepted into interview and who want to have the interview in the online format have to send an e-mail to the president of the commission and the referent of the curriculum specifying name, surname and Teams address before the 07.21.2024- 7 p.m. (European Central Time).
Further information on how to present qualifications/publications	The following qualifications/publications will be evaluated: 1. Quality of the research project which will be presented by candidate (before writing the research project please carefully read the instructions at this link: https://tinyurl.com/mw9xnhzd) 2. Research experiences and scientific publications 3. Master's or four-year degree thesis, which can be attached in PDF format 4. Academic curriculum and degree mark The Commission will reserve the possibility of setting a minimum score threshold obtained by the candidate in the qualifications/publications' evaluation in order to access the interview.
Exam Syllabus	The research project presented must be inherent to the research topics of the Psychology and Cognitive Sciences Curriculum listed below (before writing the research project please carefully read the instructions at this link: https://tinyurl.com/mw9xnhzd). The interview will focus on the discussion of the research project and the qualifications/publications presented, also with attention to general aspects of research methodology in psychology and data analysis techniques in the specific disciplinary areas. The interview can be held in Italian or English, chosen by the candidate. If the interview will take place in Italian, knowledge of the English language will be assessed during the interview.
Research Themes	<ul style="list-style-type: none"> - Working memory, Intelligence, cognitive and non-cognitive abilities. Female/male differences in cognitive and non-cognitive abilities (e.g., intelligence, mathematics, anxiety). Cognitive ergonomics. Non-technical skills and high-fidelity simulation. Human-machine interaction and interaction design. Experimental pragmatic. Neuropsychology of language. Aging. Psychology of tourism. Acquisition and evolution of language. Psycholinguistics. - Self regulation, executive functions. Language. Drawing. School achievement. Typical and atypical development, school inclusion. Neo-Piagetian models of cognitive development. Social-emotional skills. Educational poverty. School success and wellbeing. - Quality of working life and psychosocial risks. Leadership. Professional development and training. Dehumanization and objectification in interpersonal and intergroup relationships. Prejudice, its different forms and reduction strategies. - Psychopathological disorders/symptoms (also correlated with medical diseases), behavioural addictions and emotional (dys)regulation in middle childhood, in adolescents and adults. Attachment theory: research, clinical applications assessment methods and attachment-based treatments. Adoption. High risk adolescents. Mentalization in clinical and non-clinical groups. Risk factors and protection in couples and families. - Organizational models for citizen service orientation. The logic of co-production in public administration. Organizational change and health promotion. Logics of organizational coexistence and conflict management (<u>research theme for grant funded within EX D.M. 629 - Azione Dottorati per la Pubblica Amministrazione</u>).
Information on references	Reference letters are not required. In any case, reference letters received will not be taken into consideration for the purposes of the evaluation.
Foreign Languages	English

Further Information	Website: https://scienze-sociali.dottorato.unige.it/ Curriculum Coordinator: Prof. Cecilia Serena Pace, DISFOR, C.so Podestà 2, cecilia.pace@unige.it Coordinator of the Phd Course in Social Science: Prof. Paolo Parra Saiani, DISPI, Albergo dei Poveri, piazzale E. Brignole 2A (cancello), Genova, Paolo.ParraSaiani@unige.it Administrative manager: Dott. Valentina Gullà, DISFOR, C.so Podestà 2, dottoratoscienze-sociali.disfor@unige.it
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Course Coordinator: Paolo Parra Saiani	
Department of International and Political Sciences (DISPI)	
Places: 2 – Grants: 2 (*)	
(*) 2 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	Tuesday 7.23.2024 – 9:00 am at Dipartimento di Scienze della Formazione (DISFOR), Corso A. Podestà 2, Genova and online on the Teams platform After the publication of the evaluations about qualifications and project proposal, candidates admitted to the interview who request the video conferencing interview are asked to send an e-mail to the President's committee, before 7.22.2024 - 7 pm (local timezone). In the e-mail, the candidate's name, surname, and the Teams address must be specified.
Further information on how to present qualifications/publications	A minimum score, decided by the Commission, resulting from the qualifications and the project evaluation, is required for the admission to the interview. The following will be assessed: 1. The quality of the research project presented (before writing the research project please carefully read the instructions at this link: https://tinyurl.com/mw9xnhzd) 2. Research experience and scientific publications 3. Thesis of the 5 or 4-year degree course, which has to be attached in PDF format 4. Academic curriculum and degree mark. 5. Professional experiences coherent with the PhD programme.
Exam Syllabus	The interview will focus on the research project (please carefully read the instructions at this link: https://tinyurl.com/mw9xnhzd) and the qualifications presented by the candidate. During the interview, the knowledge of a foreign language will be tested.
Research Themes	-Methodology of social research. -Evaluation of educational and social policies. -Visual Sociology. -Social disparities. -Social policies. -The youth situation. -Dynamics of the labour market. -Sociology of organisations and work. -Sociology of science and technology. -Sociology of cultural processes and communication. -Sociology of deviance. -Sociology of education. -Sociology of the family. -Urban sociology. -Gender studies.
Information on references	Reference letters are not required. Any reference letter received will not be taken into consideration for the final score.
Foreign Languages	English, French, Spanish
Further Information	Website: https://scienze-sociali.dottorato.unige.it/ Referente di Curriculum: Prof. Luca Guzzetti, DISFOR, C.so Podestà 2, luca.guzzetti@unige.it Coordinatore del Corso di Dottorato: Prof. Paolo Parra Saiani, DISPI, Piazzale Emanuele Brignole 3A paolo.parrasaiani@unige.it Responsabile amministrativo: Dott.ssa Valentina Gullà, DISFOR, C.so Podestà 2, dottoratoscienze-sociali.disfor@unige.it

Course: SECURITY, RISK AND VULNERABILITY

Doctoral Course in agreement with the Bruno Kessler Foundation (FBK) and CIMA Foundation

Curriculum: CYBERSECURITY AND RELIABLE ARTIFICIAL INTELLIGENCE (CODE 10588)

Course Coordinator: Cattari Serena	
Centro Strategico Interdipartimentale su Sicurezza, Rischio e Vulnerabilità	
Places: 9 (°) – Grants: 8 (*)	
(*) 2 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 19.500,00. (*) 3 grants funded within “SEcurity and RIghts in the CyberSpace (SERICS)” Program, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 19.500,00 (CUP D33C22001300002) (*) 3 grants funded by FBK Foundation, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 19.500,00. (°) 1 position for employee of aizoOn	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	22.07.2024 at 8:00 remotely on Zoom (ID: 82110710477 - Passcode: 197779) by contacting the curriculum coordinator Prof. Luca Oneto (luca.oneto@unige.it) at least 7 days before the evaluation in case of any issues. For this purpose, the candidate must have a reliable internet connection to facilitate the conduct of the test. Interviews will continue on subsequent days in case of a high number of candidates.
Further information on how to present qualifications/publications	Candidates can choose up to a maximum of 2 research topics among those listed below and submit <ul style="list-style-type: none"> • a research project, up to a maximum of 10 pages, which should highlight the candidate's motivations and research interests. The project should include a summary, a state of the art section completed with relevant publications, and the objectives of the activity; • a document from the university that awarded their degree (transcript of records), which shows the courses and grades obtained throughout their academic career (Bachelor and M.Sc.), specifying the GPA or equivalent indicator. Candidates who do not yet possess the degree required for admission to the doctoral program at the time of the deadline may submit additional documentation that they consider more appropriate to document their academic career; • a curriculum.
Exam Syllabus	The interview will be a detailed scientific discussion on the candidate’s research project (10 pages max), Curriculum Vitae et Studiorum (10 pages max) and qualifications/publications (10 pages max). The interview is also aimed at verifying that the candidate has adequate knowledge to deal with studies in the chosen curriculum.
Research Themes	<ol style="list-style-type: none"> 1. AI Safety: Design and Verification 2. Trustworthy AI 3. Robust Artificial Intelligence with Multi-Modal Large Language Models 4. Security and Safety of AI in Medicine 5. SecLLMOps: Robustness Development and Verification in Large Language Models 6. Formal Methods for Industry 7. Assisted security assessment of cryptographic protocols for digital identity solutions 8. Reliable AI for Digital Identity Management 9. AI for Industry 4.0 - aizoOn Worker Additional information about the research projects can be found on the webpage http://sicurezza.unige.it
Information on references	Candidates must choose no less than 2 and no more than 3 references in support of their application. These references must be university professors or subject matter experts. If the reference is not a university professor, a Curriculum Vitae and a list of publications from the reference are required. It is the responsibility of the references to send the reference letters to the Curriculum Coordinator at the following address: luca.oneto@unige.it , by the application deadline. In the admission application, candidates must provide the full name, position, and affiliation of the chosen references. Reference letters that are not submitted as requested will not be considered.
Foreign Languages	English
Further Information	Curriculum Coordinator Prof. Luca Oneto DIBRIS, Opera Pia 11a, Genova luca.oneto@unige.it PhD Course Web Page http://sicurezza.unige.it

Course: SECURITY, RISK AND VULNERABILITY

Doctoral Course in agreement with the Bruno Kessler Foundation (Fondazione Bruno Kessler – FBK) and CIMA Foundation

Curriculum: MANAGEMENT AND SECURITY (CODE 10589)

Course Coordinator: Cattari Serena	
Centro Strategico Interdipartimentale su Sicurezza, Rischio e Vulnerabilità	
Places: 4 – Grants: 4 (*)	
(*) 3 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500. (*) 1 funded by Camere di Commercio delle Riviere di Liguria, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	July 25, 2024 at 14:30 on MS teams. Candidates will receive information on the MS Teams Code by e-mail. Please, verify the quality of internet connection.
Further information on how to present qualifications/publications	“Qualifications” mean useful information to appreciate the application, starting from the <i>Curriculum Vitae et Studiorum</i> , the research project (which has to be organized in order to introduce the topic and the methodological path, max 2000 words) and any further element. The application form and its attachment have to be written in English. Documents must be sent in electronic form according to indications in the notice of competition.
Exam Syllabus	Candidates who have exceeded a minimum score - established by the commission during the preliminary session - for qualifications and the project will be admitted to the interview. The interview is aimed at verifying that the candidate has adequate knowledge to deal with studies in the chosen curriculum. It consists in a discussion on the <i>Curriculum Vitae et Studiorum</i> and qualifications/publications and an in-depth presentation of the candidate’s research project. It will be checked knowledge of the English language.
Research Themes	The research lines characterizing the curriculum follow the indications available in the website https://sicurezza.unige.net/curricula/ms Specific attention may be devoted to the following topic: <ul style="list-style-type: none"> analysis of the development conditions of the territory, through support to economic entities in the transition to the digital economy (ref. Borsa Camere di Commercio delle Riviere di Liguria).
Information on references	Candidates must choose at least one and no more than three referees to support their application. The referees must be university professors or experts in the subject. They have to send their letter together their Curriculum Vitae and a list of publications., within the deadline of the public notice, to the responsible of the curriculum (teresina.torre@economia.unige.it), object: reference letter –Name –phd. The name, status and current position of the referees chosen by the candidate must be stated in the application. Reference letters that are not presented as requested will not be taken into consideration.
Foreign Languages	English
Further Information	Coordinator of the PhD Programme Prof.ssa Serena Cattari DICCA Responsible of the Curriculum Prof.ssa Teresina Torre DIEC, Via Vivaldi 5. Genova (+39) teresina.torre@economia.unige.it

Course: SECURITY, RISK AND VULNERABILITY

Doctoral Course in agreement with the Bruno Kessler Foundation (Fondazione Bruno Kessler – FBK) and CIMA Foundation

Curriculum: MANAGEMENT AND SECURITY (CODE 10590)

Course Coordinator: Cattari Serena	
Centro Strategico Interdipartimentale su Sicurezza, Rischio e Vulnerabilità	
Places: 1 – Grants: 1 (*)	
(*) 1 grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) (in collaboration and co-funded by Fondazione CIMA) under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500.	
Project: Organizational change and digital transition supporting for a more effective and efficient organization	
Comparative assessment procedure	<p>QUALIFICATIONS/PUBLICATIONS AND EXAM</p> <ul style="list-style-type: none"> • Assessment of qualifications/publications and the curriculum vitae et studiorum • Written test (research project) • Interview that includes the description of the candidate’s research area of interest, also on the basis of previous activities stated in his/her scientific professional curriculum
Interview	<p>July 25, 2024 at 14:30 on MS teams. Candidates will receive information by e-mail. Please, verify the quality of internet connection</p>
Further information on how to present qualifications/publications	<p>“Qualifications” mean useful information to appreciate the application, starting from the <i>Curriculum Vitae et Studiorum</i>, the research project (which has to be organized in order to introduce the topic and the methodological path, max 2000 words) and any further element. The application form and its attachment have to be written in English. Documents must be sent in electronic form according to indications in the notice of competition.</p>
Exam Syllabus	<p>Candidates who have exceeded a minimum score - established by the commission during the preliminary session - for qualifications and the project will be admitted to the interview. The interview is aimed at verifying that the candidate has adequate knowledge to deal with studies in the chosen curriculum. It consists in a discussion on the <i>Curriculum Vitae et Studiorum</i> and qualifications/publications and an in-depth presentation of the candidate’s research project. It will be checked knowledge of the English language.</p>
Research Themes	<p>Research project for grant within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f): Organizational change and digital transition supporting for a more effective and efficient organization.</p> <p>Further indications are available in the website: https://sicurezza.unige.net/curricula/ms</p>
Information on references	<p>Candidates must choose at least one and no more than three referees to support their candidature. The referees must be university professors or experts in the subject. If the referee is not a university professor, he/she must also send his/her Curriculum Vitae and a list of publications. The reference letter must be sent by the referees, within the deadline of the public notice, to the responsible of the curriculum (teresina.torre@economia.unige.it), object: reference letter –Name –phd. The name, status and current position of the referees chosen by the candidate must be stated in the application. Reference letters that are not presented as requested will not be taken into consideration.</p>
Foreign Languages	English

Further Information	<p>Coordinator of the PhD Programme Prof.ssa Serena Cattari DICCA</p> <p>Responsible of the Curriculum Prof.ssa Teresina Torre DIEC, Via Vivaldi 5. Genova (+39) teresina.torre@economia.unige.it</p> <p>Further information about commitments and conditions of the grants funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) are available in the Notice of competition (article 6, paragraph 6)</p> <p>Months to be spent abroad: 0</p>
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Course: SECURITY, RISK AND VULNERABILITY**Doctoral Course in agreement with the Bruno Kessler Foundation (Fondazione Bruno Kessler – FBK) and CIMA Foundation****Curriculum: RISK AND RESILIENCE ENGINEERING FOR THE NATURAL, INDUSTRIALIZED AND BUILT ENVIRONMENTS (CODE 10591)**

Course Coordinator: Cattari Serena	
Centro Strategico Interdipartimentale su Sicurezza, Rischio e Vulnerabilità	
Places: 4 – Grants: 4 (*)	
(*) 2 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00 (*) 1 grant cofunded by MUR/Department (DICCA), the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00 (*) 1 grant funded within D.M. 630 dated 24.4.2024 (co-funded by ETT S.p.a), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00 (CUP D32B24000800008).	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	25.07.2024, 9:00am, room A6 in Via Montallegro 1, 16145 Genova. Depending on the number of candidates, the interviews may continue in the following days. Upon request of the candidate, the interview may take place remotely by contacting Prof. Serena Cattari (serena.cattari@unige.it) at least 15 days before the date of the interview. The candidate must have a reliable internet connection. The link to the TEAMS channel will be sent via email.
Further information on how to present qualifications/publications	The research project (10 pages max) must include the candidate’s research interests and motivations, a short abstract, the State of the Art and relevant references and the aims of the research activity. The application (curriculum vitae) must contain Transcripts of Records, stating the courses attended and marks obtained throughout the candidate's university career (Bachelor and M.Sc. Degrees; Laurea Triennale and Magistrale degrees). The transcripts of Records must be official documents released by the universities which awarded the degrees. Undergraduate candidates at the deadline of the public notice may submit further documentation, which they deem appropriate, in order to document their university career.
Exam Syllabus	The interview will be a detailed scientific discussion on the candidate’s research project (10 pages max), Curriculum Vitae et Studiorum and qualifications/publications. The interview is also aimed at verifying that the candidate has adequate knowledge to deal with studies in the chosen curriculum.
Research Themes	Risk analyses and resilience studies addressed to assess and tackle risks arising from natural hazards and anthropic activities and their impact on society, in terms of direct and indirect losses and their economic, social and environmental consequences. Studies involve: - the natural environment such as atmosphere, soil and subsoil, fluvial and coastal environment. - industrial and civil buildings (including the monumental ones) - the infrastructure and equipment related to transportation of people, goods and energy. Among others, tools and objectives of the research are the monitoring and the planning of mitigation strategies based on a multi-disciplinary and systemic approach. Additional information on the research themes of the curriculum in “Risk and Resilience Engineering for the Natural, Industrialized and Built environments “are described in detail on the course web page: http://sicurezza.unige.it/dottorato . For the 2 grants funded by the Università degli Studi di Genova, some possible research topics are described at: https://sicurezza.unige.net (webpage: how to apply - Themes RRENIB - XL - June 2024). For the grant funded by the Università degli Studi di Genova and co-funded by professors of DICCA department, the research project has been already defined and it deals with the seismic structural health monitoring. Additional details on this research theme are provided at https://sicurezza.unige.net (webpage: how to apply - Themes RRENIB - XL - June 2024 - Theme BF1). For this grant the research project of the candidate must agree with the goals identified for this research theme.

	<p>For the grant funded within D.M. 630 dated 24.4.2024 (co-funded by ETT S.p.a), the research project has been already defined and it deals with the use of advanced technologies (e.g. images acquired by drone, machine learning techniques) addressed to support the survey and interpretation of the seismic damage. Additional details on this research theme are provided at https://sicurezza.unige.net (webpage: how to apply - Themes RRENIB - XL - June 2024 - Theme BF2). For this grant the research project of the candidate must agree with the goals identified for this research theme.</p>
Information on references	<p>Candidates must choose at least one and no more than three referees to support their candidature. The referees must be university professors or experts in the subject. If the referee is not a university professor, he/she must also send the Curriculum Vitae and a list of publications. The reference letter must be sent by the referees, within the deadline of the public notice, to the Coordinator of the PhD program to the responsible of the curriculum (serena.cattari@unige.it, dottorato.dicca@unige.it).</p> <p>The name, status and current position of the referees chosen by the candidate must be stated in the application. If the referee is not a university professor, he/she must also send the Curriculum Vitae and a list of publications. The name, status and current position of the referees chosen by the candidate must be stated in the application.</p> <p>Reference letters that are not presented as requested will not be taken into consideration.</p>
Foreign Languages	<p>English</p> <p>International certifications (TOEFL, CPE, CAE, FCE, ...) included in the application will be considered a plus (preferential title).</p>
Further Information	<p>PhD Program Coordinator Prof. Serena Cattari</p> <p>Curriculum Coordinator Prof. Serena Cattari DICCA – Via Montallegro 1 1614 Genova serena.cattari@unige.it</p>

Course: SECURITY, RISK AND VULNERABILITY

Doctoral Course in agreement with the Bruno Kessler Foundation (Fondazione Bruno Kessler – FBK) and CIMA Research Foundation (Fondazione CIMA)

Curriculum: RISK, CLIMATE CHANGE AND SUSTAINABLE DEVELOPMENT (CODE 10592)

Course Coordinator: Cattari Serena	
Centro Strategico Interdipartimentale su Sicurezza, Rischio e Vulnerabilità	
Places: 5 – Grants: 5 (*)	
(*) 1 grant cofunded by MUR/Department (DAFIST), the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17,500.	
(*) 1 grant funded within D.M. 629 dated 24.4.2024 (Pubblica Amministrazione), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500 (CUP D32B24000500006)	
(*) 3 grants funded within D.M. 630 dated 24.4.2024 (cofounded by Fondazione CIMA), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17500 (CUP D32B24000800008)	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	23.07.2024 9:00 am, in the Savona Campus of the University of Genova. Depending on the number of candidates, the interviews (https://us06web.zoom.us/j/81616781859?pwd=RNOqgxEl6fG726ZF86oI5X9XBPndIu.1 ID riunione: 816 1678 1859 Codice d'accesso: 288088) may continue in the following days. Upon request of the candidate or due to sanitary conditions the interview may take place remotely by contacting Prof. Luca Ferraris (RCCSD@cimafoundation.org) at least 7 days before the date of the interview. The candidate must have a reliable internet connection.
Further information on how to present qualifications/publications	The research project (10 pages max) must include the candidate's research interests and motivations, a short abstract, the State of the Art and relevant references and the aims of the research activity. The application (curriculum) must contain Transcripts of Records, stating the courses attended and marks obtained throughout the candidate's university career (Bachelor and M.Sc. Degrees). Undergraduate candidates at the deadline of the public notice may submit further documentation, which they deem appropriate, in order to document their university career.
Exam Syllabus	The interview will be a detailed scientific discussion on the candidate's research project (10 pages max), Curriculum Vitae et Studiorum (10 pages max) and qualifications/publications (10 pages max). The interview is also aimed at verifying that the candidate has adequate knowledge to deal with studies in the chosen curriculum.
Research Themes	1, The social dimension of the landscape: rural and environmental archaeology and history for the sustainable development and the mitigation of the environmental risk 2, Risk communication in the climate change mitigation strategies 3, The conflict over the management of water resources, as a socio-legal impact of climate change: possible governance and policy solutions 4, Implications of disappearing glaciers for downstream water supply 5, Seasonal drought impact characterization and prediction using Machine Learning approaches For the grant funded by the Università degli Studi di Genova and co-funded by professors of DAFIST department, the research project has been already defined and it deals with the social dimension of the landscape: rural and environmental archaeology and history for the sustainable development and the mitigation of the environmental risk. Additional details on this research theme are provided at https://sicurezza.unige.net (webpage: how to apply - Themes RCCSD - XL - June 2024). For this grant the research project of the candidate must agree with the goals identified for this research theme.
Information on references	Candidates must choose at least one and no more than three referees to support their candidature. The referees must be university professors or experts in the subject. If the referee is not a university professor, he/she must also send the Curriculum Vitae and a list of publications. The reference letter must be sent by the referees, within the deadline of the public notice, to the Coordinator of the PhD program to the responsible of the curriculum (rccsd@cimafoundation.org). The name, status and current position of the referees chosen by the candidate must be stated in the application. If the referee is not a university professor, he/she must also send the Curriculum Vitae and a list of publications. The name, status and current position of the referees chosen by the candidate must be stated in the application.

	Reference letters that are not presented as requested will not be taken into consideration.
Foreign Languages	English
Further Information	Curriculum Coordinator Prof. Prof. Luca Ferraris DIBRIS, Campus Universitario, Savona luca.ferraris@unige.it RCCSD@cimafoundation.org

Course: SECURITY, RISK AND VULNERABILITY

Doctoral Course in agreement with the Bruno Kessler Foundation (Fondazione Bruno Kessler – FBK) and CIMA Research Foundation (Fondazione CIMA)

Curriculum: RISK, CLIMATE CHANGE AND SUSTAINABLE DEVELOPMENT (CODE 10593)

Course Coordinator: Cattari Serena	
Centro Strategico Interdipartimentale su Sicurezza, Rischio e Vulnerabilità	
Places: 2 – Grants: 2 (*)	
(*) 2 grants funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of Fondazione CIMA, under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500. Research projects:	
<ul style="list-style-type: none"> Assessing Multi-hazard and compound risk on infrastructure sectors in a probabilistic framework Exploring Multi-platform/Multi-sensor integrated approaches based on remote and proximal sensing techniques for the assessment of wildfire impacts on the safety of structures, infrastructures, and networks 	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND EXAM <ul style="list-style-type: none"> Assessment of qualifications/publications and the curriculum vitae et studiorum Written test (research project) Interview that includes the description of the candidate's research area of interest, also on the basis of previous activities stated in his/her scientific professional curriculum
Interview	23.07.2024 9:00 am, in the Savona Campus of the University of Genova. Depending on the number of candidates, the interviews (https://us06web.zoom.us/j/81616781859?pwd=RNOqgxEl6fG726ZF86oI5X9XBpndIu.1 ID riunione: 816 1678 1859 Codice d'accesso: 288088) may continue in the following days. Upon request of the candidate or due to sanitary conditions the interview may take place remotely by contacting Prof. Luca Ferraris (RCCSD@cimafoundation.org) at least 7 days before the date of the interview. The candidate must have a reliable internet connection.
Further information on how to present qualifications/publications	<p>The research project (10 pages max) must include the candidate's research interests and motivations, a short abstract, the State of the Art and relevant references and the aims of the research activity.</p> <p>The application (curriculum) must contain Transcripts of Records, stating the courses attended and marks obtained throughout the candidate's university career (Bachelor and M.Sc. Degrees). Undergraduate candidates at the deadline of the public notice may submit further documentation, which they deem appropriate, in order to document their university career.</p>
Exam Syllabus	The interview will be a detailed scientific discussion on the candidate's research project (10 pages max), Curriculum Vitae et Studiorum (10 pages max) and qualifications/publications (10 pages max). The interview is also aimed at verifying that the candidate has adequate knowledge to deal with studies in the chosen curriculum.
Research Themes	<p>Research project for grant within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f):</p> <ul style="list-style-type: none"> Assessing Multi-hazard and compound risk on infrastructure sectors in a probabilistic framework Exploring Multi-platform/Multi-sensor integrated approaches based on remote and proximal sensing techniques for the assessment of wildfire impacts on the safety of structures, infrastructures, and networks.
Information on references	<p>Candidates must choose at least one and no more than three referees to support their candidature. The referees must be university professors or experts in the subject. If the referee is not a university professor, he/she must also send the Curriculum Vitae and a list of publications. The reference letter must be sent by the referees, within the deadline of the public notice, to the Coordinator of the PhD program to the responsible of the curriculum (RCCSD@cimafoundation.org).</p> <p>The name, status and current position of the referees chosen by the candidate must be stated in the application. If the referee is not a university professor, he/she must also send the Curriculum Vitae and a list of publications. The name, status and current position of the referees chosen by the candidate must be stated in the application.</p> <p>Reference letters that are not presented as requested will not be taken into consideration.</p>
Foreign Languages	English

Further Information	<p>Curriculum Coordinator Prof. Prof. Luca Ferraris DIBRIS, Campus Universitario, Savona luca.ferraris@unige.it RCCSD@cimafoundation.org</p> <p>Further information about commitments and conditions of the grants funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) are available in the Notice of competition (article 6, paragraph 6)</p> <p>Months to be spent abroad: 0</p>
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Course: SECURITY, RISK AND VULNERABILITY**Doctoral Course in agreement with the Bruno Kessler Foundation (Fondazione Bruno Kessler – FBK) and CIMA Foundation****Curriculum: SECURITY AND LAW (CODE 10594)**

Course Coordinator: Cattari Serena	
Centro Strategico Interdipartimentale su Sicurezza, Rischio e Vulnerabilità	
Places: 2 – Grants: 2 (*)	
(*) 2 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	23/07/2024, 10.00 a.m., online (Teams). The meeting code will be provided by e-mail.
Further information on how to present qualifications/publications	“Qualifications” the information contained in the application and in the curriculum vitae et studiorum, the research project, further qualifications. The application form and its attachment can be written in Italian or English or French or Spanish.
Exam Syllabus	<p>The comparative assessment will be based on an evaluation of the candidate's qualifications, a research project and an interview designed to assess the skills and knowledge required for admission to a PhD programme. More specifically:</p> <ul style="list-style-type: none"> - The RESEARCH PROJECT must fit into some of the research topics of the PhD programme. It must contain (i) a clearly defined research problem, indicate (ii) basic metodological choices, list (iii) the main bibliography, and give (iv) a rough outline of the argument(s) the candidate will use to address the problem. - The INTERVIEW will be used to discuss the research project presented by the candidate and its relation to some of the research topics of the PhD curriculum in Security and Law, namely <p>Security and constitutional law E-democracy, cybersecurity and fundamental rights in the cyberspace E-government, sustainability and digital transition of the citizenship Rule of law and algorithmic administration</p> <p>Security and administrative law Algorithms in public decision-making New technologies and digitalization in cultural heritage, civil protection, and public contracts Smart city public regulation and governance, also with regard to climate change</p> <p>Security and philosophy of the law Legal modelling and simulation Analytical legal theory and the quality of legislation</p> <p>Security and criminal procedure law Artificial intelligence and the digitization of criminal justice Digital investigations Blockchain forensics and tools to counter crypto-crimes</p> <p>Security and criminal law Cybersecurity and cybercrime Algorithms and criminal law</p> <p>Security and private law Class actions and other mechanisms of collective enforcement of rights The use of new technologies to facilitate access to justice</p> <p>Security and labour law Virtual reality and metaverse as drivers of change in Labour Law Algorithm discrimination in the labour market</p> <p>Security and international law The Private International Law of Secured Transactions Cyber War and Cyber Security in International Law</p>

Research Themes	<p>Lines of research are focused on the following macro-areas:</p> <p>Conceptual analysis of legal issues connected to security, risk, and vulnerability in public or private law</p> <p>Doctrinal analysis of legal issues connected to security, risk and vulnerability in public or private law</p> <p>Economic analysis of legal issues connected to security, risk, or vulnerability in public or private law</p>
Information on references	<p>- Coordinator of the PhD Programme Prof. Serena Cattari DICCA, Via Montallegro 1 Genova serena.cattari@unige.it</p> <p>- Coordinator of the curriculum Prof. Giorgio Afferni DIGI, Via Balbi 22, Genova (+39) 3356063568 giorgio.afferni@unige.it</p> <p>- Administrative contact of the curriculum Dott.ssa M. Stefania Lavezzo Via Balbi 22, Genova (+39) 0102095436, int. 55436 maria.Stefania.Lavezzo@unige.it</p>
Foreign Languages	English

Course: SECURITY, RISK AND VULNERABILITY

Doctoral Course in agreement with the Bruno Kessler Foundation (Fondazione Bruno Kessler – FBK) and CIMA Foundation

Curriculum: SECURITY AND STRATEGIC STUDIES (CODE 10595)

Course Coordinator: Cattari Serena	
Centro Strategico Interdipartimentale su Sicurezza, Rischio e Vulnerabilità	
Places: 3 – Grants: 3 (*)	
(*) 3 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	19.07.2024, 11.30 a.m., at DISPI (and online on Teams.) Info on the room (and on the meeting code) will be provided by e-mail.
Further information on how to present qualifications/publications	<p>The Commission will assess:</p> <ol style="list-style-type: none"> 1. Quality of the research project 2. Research experiences and scientific publications 3. Master thesis (which must be attached in PDF format) 4. Academic curriculum and final degree mark <p>The Commission will set a minimum threshold obtained by the candidate in the evaluation of cv and research project in order to access the interview</p>
Exam Syllabus	<p>Candidates who obtain the minimum score established by the Commission on research projects and the cv will be admitted to the interview.</p> <p>The interview will focus on the discussion of the research project and the titles presented, with a specific attention devoted to research methodology.</p> <p>During the interview, the motivational aspects will be assessed and the knowledge of English will be ascertained.</p>
Research Themes	<p>Within International Relations, Security Studies, Foreign Policy Analysis a specific attention will be devoted to:</p> <ul style="list-style-type: none"> • Instruments, actors and approaches in foreign and defense policy • Causes, features, and solutions of armed conflicts; • Evolution of Peacekeeping and Peace-building; • The evolution of defense policy in Europe; • Tools and approaches in foreign and defense policy; • Economic security and statecraft; • Technology and security.
Information on references	Two references letters to be sent by e-mail to the curriculum coordinator.
Foreign Languages	English
Further Information	For further information please get in contact with prof. Giampiero Cama (curriculum coordinator e-mail: gcama@unige.it) or prof. Fabrizio Coticchia (e-mail: fabrizio.coticchia@unige.it)

Course: HISTORY, ART HISTORY AND ARCHEOLOGY**Curriculum: ARCHEOLOGY (CODE 10596)**

Course Coordinator: Valenti Paola	
Department of Classical Studies, Philosophy and History (Dipartimento di Antichità, Filosofia e Storia – DAFIST)	
Places: 12 (°) – Grants: 10 (*) [1]	
<p>(*) 6 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00</p> <p>(*) 1 grant cofunded by MUR/Department (DAFIST) within ERC-PEA project, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00</p> <p>(*) 1 grant funded by Department (DAFIST) within ERC-PEA project, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 [1]</p> <p>(*) 1 grant funded within D.M. 630 del 24.4.2024, cofunded by BONTEX SRL, under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (CUP D32B24000740008)</p> <p>(*) 1 grant funded within D.M. 630 del 24.4.2024, cofunded by COUTOT-ROEHRIG, under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500 (CUP D32B24000740008)</p> <p>(°) 2 places reserved to employees of SOLIDARIETA' E LAVORO soc coop sociale – onlus</p> <p>***</p> <p>Grants (6) funded by Università degli Studi di Genova refer to the doctoral research course in its entirety and not to the single curriculum. The examining commission will be the same for all the curricula and will draw up a single merit list;</p> <p>Grants (2) funded within ERC-PEA project refers only to the CURRICULUM OF ART HISTORY [1]</p> <p>Grants (2) funded within D.M. 630/2024 refer to the following curricula:</p> <ol style="list-style-type: none"> Grant cofunded by BONTEX SRL refers only to the CURRICULUM OF ART HISTORY Grant cofunded by COUTOT-ROEHRIG refers only to the CURRICULUM OF HISTORY <p>Places (2) reserved to employees of SOLIDARIETA' E LAVORO soc coop sociale – onlus refers only to the CURRICULUM OF ART HISTORY.</p> <p>N.B.: APPLICANTS MUST SPECIFY ON THE PROJECT TITLE PAGE WHICH TYPE OF GRANT THEY INTEND TO APPLY FOR.</p>	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	The interview of admitted candidates will take place at the University of Genova, via Balbi 2-4, on 25.07.2024, at 9.00 am (CET); only admitted candidates living abroad will be permitted to connect remotely (using Microsoft TEAMS). Further information will be provided via e-mail after 19.07.2024.
Further information on how to present qualifications/publications	Curriculum vitae, qualifications, Master Thesis, publications and Research Project must be included in pdf format, as attachments to the application. Only the qualifications and publications relating to the LAST 3 SOLAR YEARS prior to the calendar year of publication of the call (excluding the Master's degree, which will be assessed even if previous) will be assessed. Qualifications and publications must be congruent with the research themes of the PhD Programme. Qualifications include: 1) Master's Degree (<i>Laurea Magistrale</i> or <i>quadriennale (vecchio ordinamento)</i>) or an equivalent degree; 2) Copy of the MA dissertation (plus an abstract of 10.000 characters); 3) Scientific Publications, consistent with the research themes of the PhD programme: - books; - articles in scientific journals (Class A or B in the ANVUR classification); - essays in collective volumes; - brief essays, critical notes, editorships; 4) Other qualifications: Advanced Training Courses Degrees (<i>corsi di perfezionamento e/o di specializzazione e/o di Alta Formazione</i>); Masters in disciplines related to the research themes of the PhD Programme; PhD title; Additional Master's degree in disciplines related to the research themes of the Phd Programme; Grants, Fellowships, Awards; Research activity in scientific institutions; Teaching activity in academic institutions;

	<p>Study experiences abroad; Internships, Traineeships and professional experiences related to the research themes of the PhD programme; Title of <i>cultore della materia</i> or member of examination committees in academic institutions.</p>
Exam Syllabus	<p>The comparative assessment will be based on the evaluation of the candidate's qualifications, the research project and the interview designed to assess the skills and knowledge required for admission to the PhD programme. The interview will evaluate in particular:</p> <ul style="list-style-type: none"> • Argumentative and analytical skills with regard to the presentation of the research project; knowledge of the state-of-the-art and historiographic context related to the research project; • Foreign language proficiency
Research Themes	<p>Research Themes are published on the website of the Phd Programme: https://starch.dottorato.unige.it/</p>
Information on references	<p>Letters of refence are not required and, if eventually received, will not be taken into account for the evaluation.</p>
Foreign Languages	<p>The interview will test the candidate's knowledge of one of these languages: English, French, German or Spanish The candidate can choose one of these languages for the interview: Italian, English, French, German or Spanish.</p>
Further Information	<p>For further information on this curriculum, send an email to: stefano.gardini@unige.it</p>

1 1 position with grant added after the publication of the Notice of competition (D.R. 2882 dated 6.06.2024)

Course: HISTORY, ART HISTORY AND ARCHEOLOGY**Curriculum: HISTORY (CODE 10597)**

Course Coordinator: Valenti Paola	
Department of Classical Studies, Philosophy and History (Dipartimento di Antichità, Filosofia e Storia – DAFIST)	
Places: 12 (°) – Grants: 10 (*) [1]	
<p>(*) 6 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00</p> <p>(*) 1 grant cofunded by MUR/Department (DAFIST) within ERC-PEA project, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00</p> <p>(*) 1 grant funded by Department (DAFIST) within ERC-PEA project, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 [1]</p> <p>(*) 1 grant funded within D.M. 630 del 24.4.2024, cofunded by BONTEX SRL, under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (CUP D32B24000740008)</p> <p>(*) 1 grant funded within D.M. 630 del 24.4.2024, cofunded by COUTOT-ROEHRIG, under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500 (CUP D32B24000740008)</p> <p>(°) 2 places reserved to employees of SOLIDARIETA' E LAVORO soc coop sociale – onlus</p> <p>***</p> <p>Grants (6) funded by Università degli Studi di Genova refer to the doctoral research course in its entirety and not to the single curriculum. The examining commission will be the same for all the curricula and will draw up a single merit list;</p> <p>Grants (2) funded within ERC-PEA project refers only to the CURRICULUM OF ART HISTORY [1]</p> <p>Grants (2) funded within D.M. 630/2024 refer to the following curricula:</p> <ul style="list-style-type: none"> • Grant cofunded by BONTEX SRL refers only to the CURRICULUM OF ART HISTORY • Grant cofunded by COUTOT-ROEHRIG refers only to the CURRICULUM OF HISTORY <p>Places (2) reserved to employees of SOLIDARIETA' E LAVORO soc coop sociale – onlus refers only to the CURRICULUM OF ART HISTORY.</p> <p>N.B.: APPLICANTS MUST SPECIFY ON THE PROJECT TITLE PAGE WHICH TYPE OF GRANT THEY INTEND TO APPLY FOR.</p>	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	The interview of admitted candidates will take place at the University of Genova, via Balbi 2-4, on 25.07.2024, at 9.00 am (CET); only admitted candidates living abroad will be permitted to connect remotely (using Microsoft TEAMS). Further information will be provided via e-mail after 19.07.2024.
Further information on how to present qualifications/publications	Curriculum vitae, qualifications, Master Thesis, publications and Research Project must be included in pdf format, as attachments to the application. Only the qualifications and publications relating to the LAST 3 SOLAR YEARS prior to the calendar year of publication of the call (excluding the master's degree, which will be assessed even if previous) will be assessed. Qualifications and publications must be congruent with the research themes of the PhD Programme. Qualifications include: 1) Master's Degree (<i>Laurea Magistrale or quadriennale (vecchio ordinamento)</i>) or an equivalent degree; 2) Copy of the MA dissertation (plus an abstract of 10.000 characters); 3) Scientific Publications, consistent with the research themes of the PhD Programme: - books; - articles in scientific journals (Class A or B in the ANVUR classification); - essays in collective volumes; - brief essays, critical notes, editorships; 4) Other qualifications: Advanced Training Courses Degrees (<i>corsi di perfezionamento e/o di specializzazione e/o di Alta Formazione</i>); Masters in disciplines related to the research themes of the PhD Programme; PhD title; Additional Master's degree in disciplines related to the research themes of the Phd Programme; Grants, Fellowships, Awards; Research activity in scientific institutions; Teaching activity in academic institutions;

	<p>Study experiences abroad; Internships, Traineeships and professional experiences related to the research themes of the PhD programme; Title of <i>cultore della materia</i> or member of examination committees in academic institutions.</p>
Exam Syllabus	<p>The comparative assessment will be based on the evaluation of the candidate's qualifications, the research project and the interview designed to assess the skills and knowledge required for admission to the PhD programme. The interview will evaluate in particular:</p> <ul style="list-style-type: none"> • Argumentative and analytical skills with regard to the presentation of the research project; knowledge of the state-of-the-art and historiographic context related to the research project; • Foreign language proficiency
Research Themes	<p>Research Themes are published on the website of the Phd Programme: https://starch.dottorato.unige.it/</p> <p>Research Theme for grant funded within D.M. 630 del 24.4.2024, cofunded by COUTOT-ROEHRIG: <i>Innovative technologies and methodologies for digital processing and management of archival sources for contemporary genealogy and historical demography.</i></p>
Information on references	<p>Letters of refence are not required and, if eventually received, will not be taken into account for the evaluation.</p>
Foreign Languages	<p>The interview will test the candidate's knowledge of one of these languages: English, French, German or Spanish The candidate can choose one of these languages for the interview: Italian, English, French, German or Spanish.</p>
Further Information	<p>For further information on the curriculum, send an email to: stefano.gardini@unige.it</p>

11 1 position with grant added after the publication of the Notice of competition (D.R. 2882 dated 6.06.2024)

Course: HISTORY, ART HISTORY AND ARCHEOLOGY**Curriculum: HISTORY (CODE 10598)**

Course Coordinator: Valenti Paola	
Department of Classical Studies, Philosophy and History (Dipartimento di Antichità, Filosofia e Storia – DAFIST)	
Places: 1 – Grants: 1 (*)	
(*) 1 grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of SOCIETA' COOPERATIVA A.R.C.A. – IMPRESA SOCIALE, under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500. Research project: <i>Corporate Archives - Ceramic Manufactures in Savona and Albissola</i>	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND EXAM <ul style="list-style-type: none"> • Assessment of qualifications/publications and the curriculum vitae et studiorum • Written test (research project) • Interview that includes the description of the candidate's research area of interest, also on the basis of previous activities stated in his/her scientific professional curriculum
Interview	The interview of admitted candidates will take place at the University of Genova, via Balbi 2-4, on 25.07.2024, at 9.00 (CET); only admitted candidates living abroad will be permitted to connect remotely (using Microsoft TEAMS). Further information will be provided via e-mail after 19.07.2024.
Further information on how to present qualifications/publications	Curriculum vitae, qualifications, Master Thesis, publications and Research Project must be included in pdf format, as attachments to the application. Only the qualifications and publications relating to the LAST 3 SOLAR YEARS prior to the calendar year of publication of the call (excluding the Master's degree, which will be assessed even if previous) will be assessed. Qualifications and publications must be congruent with the research themes of the PhD Programme. Qualifications include: <ol style="list-style-type: none"> 1) Master's Degree (<i>Laurea Magistrale</i> or <i>quadriennale (vecchio ordinamento)</i>) or an equivalent degree; 2) Copy of the MA dissertation (plus an abstract of 10.000 characters); 3) Scientific Publications, consistent with the research themes of the PhD programme: <ul style="list-style-type: none"> - books; - articles in scientific journals (Class A or B in the ANVUR classification); - essays in collective volumes; - brief essays, critical notes, editorships; 4) Other qualifications: <ul style="list-style-type: none"> Advanced Training Courses Degrees (<i>corsi di perfezionamento e/o di specializzazione e/o di Alta Formazione</i>); Masters in disciplines related to the research themes of the PhD Programme; PhD title; Additional Master's degree in disciplines related to the research themes of the Phd Programme; Grants, Fellowships, Awards; Research activity in scientific institutions; Teaching activity in academic institutions; Study experiences abroad; Internships, Traineeships and professional experiences related to the research themes of the PhD programme; Title of <i>cultore della materia</i> or member of examination committees in academic institutions.
Exam Syllabus	The comparative assessment will be based on the evaluation of the candidate's qualifications, the research project and the interview designed to assess the skills and knowledge required for admission to the PhD programme. The interview will evaluate in particular: <ul style="list-style-type: none"> Argumentative and analytical skills with regard to the presentation of the research project; knowledge of the state-of-the-art and historiographic context related to the research project; Foreign language proficiency
Research Themes	Research project for grant within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) : <i>Corporate Archives - Ceramic Manufactures in Savona and Albissola</i> (cofunded by SOCIETA' COOPERATIVA A.R.C.A. – IMPRESA SOCIALE)
Information on references	Letters of refence are not required and, if eventually received, will not be taken into account for the evaluation.
Foreign Languages	The interview will test the candidate's knowledge of one of these languages: English, French, German or Spanish. The candidate can choose one of these languages for the interview: Italian, English, French, German or Spanish.

Further Information	<p>For further information, send an email to: stefano.gardini@unige.it</p> <p>Further information about commitments and conditions of the grants funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) are available in the Notice of competition (article 6, paragraph 6)</p> <p>Months to be spent abroad: 0</p>
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Course: HISTORY, ART HISTORY AND ARCHEOLOGY**Curriculum: ART HISTORY (CODE 10599)**

Course Coordinator: Valenti Paola	
Department of Classical Studies, Philosophy and History (Dipartimento di Antichità, Filosofia e Storia – DAFIST)	
Places: 12 (°) – Grants: 10 (*) [1]	
<p>(*) 6 grants funded by Università degli Studi di Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00</p> <p>(*) 1 grant cofunded by MUR/Department (DAFIST) within ERC-PEA project, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00</p> <p>(*) 1 grant funded by Department (DAFIST) within ERC-PEA project, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 [1]</p> <p>(*) 1 grant funded within D.M. 630 del 24.4.2024, cofunded by BONTEX SRL, under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (CUP D32B24000740008)</p> <p>(*) 1 grant funded within D.M. 630 del 24.4.2024, cofunded by COUTOT-ROEHRIG, under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500 (CUP D32B24000740008)</p> <p>(°) 2 places reserved to employees of SOLIDARIETA' E LAVORO soc coop sociale – onlus</p> <p>***</p> <p>Grants (6) funded by Università degli Studi di Genova refer to the doctoral research course in its entirety and not to the single curriculum. The examining commission will be the same for all the curricula and will draw up a single merit list;</p> <p>Grants (2) funded within ERC-PEA project refers only to the CURRICULUM OF ART HISTORY [1]</p> <p>Grants (2) funded within D.M. 630/2024 refer to the following curricula:</p> <ul style="list-style-type: none"> • Grant cofunded by BONTEX SRL refers only to the CURRICULUM OF ART HISTORY • Grant cofunded by COUTOT-ROEHRIG refers only to the CURRICULUM OF HISTORY <p>Places (2) reserved to employees of SOLIDARIETA' E LAVORO soc coop sociale – onlus refers only to the CURRICULUM OF ART HISTORY.</p> <p>N.B.: APPLICANTS MUST SPECIFY ON THE PROJECT TITLE PAGE WHICH TYPE OF GRANT THEY INTEND TO APPLY FOR.</p>	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	The interview of admitted candidates will take place at the University of Genova, via Balbi 2-4, on 25.07.2024, at 9.00 am (CET); only admitted candidates living abroad will be permitted to connect remotely (using Microsoft TEAMS). Further information will be provided via e-mail after 19.07.2024.
Further information on how to present qualifications/publications	Curriculum vitae, qualifications, Master Thesis, publications and Research Project must be included in pdf format, as attachments to the application. Only the qualifications and publications relating to the LAST 3 SOLAR YEARS prior to the calendar year of publication of the call (excluding the Master's degree, which will be assessed even if previous) will be assessed. Qualifications and publications must be congruent with the research themes of the PhD Programme. Qualifications include: 1) Master's Degree (<i>Laurea Magistrale or quadriennale (vecchio ordinamento)</i>) or an equivalent degree; 2) Copy of the MA dissertation (plus an abstract of 10.000 characters); 3) Scientific Publications, consistent with the research themes of the PhD programme: - books; - articles in scientific journals (Class A or B in the ANVUR classification); - essays in collective volumes; - brief essays, critical notes, editorships; 4) Other qualifications: Advanced Training Courses Degrees (<i>corsi di perfezionamento e/o di specializzazione e/o di Alta Formazione</i>); Masters in disciplines related to the research themes of the PhD Programme; PhD title; Additional Master's degree in disciplines related to the research themes of the Phd Programme; Grants, Fellowships, Awards; Research activity in scientific institutions; Teaching activity in academic institutions;

	<p>Study experiences abroad; Internships, Traineeships and professional experiences related to the research themes of the PhD programme; Title of <i>cultore della materia</i> or member of examination committees in academic institutions.</p>
Exam Syllabus	<p>The comparative assessment will be based on the evaluation of the candidate's qualifications, the research project and the interview designed to assess the skills and knowledge required for admission to the PhD programme. The interview will evaluate in particular:</p> <ul style="list-style-type: none"> • Argumentative and analytical skills with regard to the presentation of the research project; knowledge of the state-of-the-art and historiographic context related to the research project; • Foreign language proficiency
Research Themes	<p>Research Themes are published on the website of the Phd Programme: https://starch.dottorato.unige.it/</p> <p>Research Theme for the grants funded within ERC-PEA project: <i>Philosophical and art-historical perspectives on the relationship between knowledge and experience in the aesthetic appreciation of cultural heritage, with a focus on the variability of experiences according to different audiences, the normative constraints that works of art impose on aesthetic appreciation, and the resulting issues of inclusivity. The research will be conducted in the framework of the project PEA - The Philosophy of Experiential Artifacts, Horizon Europe ERCStg 2021 G.A. no. 101040535, https://pea.unige.it/ [1]</i></p> <p>Research Theme for the grant funded within D.M. 630 del 24.4.2024, cofunded by BONTEX SRL: <i>Intervention strategies on documentary and library fonds of 20th century polytechnic figures: analysis and valorisation of the Archive and Library of architect Guido Canella;</i></p> <p>Research topics for the two positions reserved for employees of SOLIDARIETA' E LAVORO soc coop sociale – onlus (°)::</p> <p>a) <i>Historical-critical reconstruction of the genesis and reception of the Milena Milani Collection</i> b) <i>Scientific and documentary analysis, for conservation purposes, of the works in the Milena Milani Collection</i></p>
Information on references	<p>Letters of refence are not required and, if eventually received, will not be taken into account for the evaluation.</p>
Foreign Languages	<p>The interview will test the candidate's knowledge of one of these languages: English, French, German or Spanish The candidate can choose one of these languages for the interview: Italian, English, French, German or Spanish.</p>
Further Information	<p>For further information of this curriculum, send an email to: Stefano.gardini@unige.it</p>

[1] 1 position with grant added after the publication of the Notice of competition (D.R. 2882 dated 6.06.2024)

Course: HISTORY, ART HISTORY AND ARCHEOLOGY

Curriculum: ART HISTORY (CODE 10600)

Course Coordinator: Valenti Paola	
Department of Classical Studies, Philosophy and History (Dipartimento di Antichità, Filosofia e Storia – DAFIST)	
Places: 2 – Grants: 2 (*)	
(*) 1 Grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of SO.FI.PA SPA, Research project: <i>Collecting Contemporary Art in Genoa, 1960-2020</i> ; under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500.	
(*) 1 Grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of SOCIETA' COOPERATIVA A.R.C.A. – IMPRESA SOCIALE, Research project: <i>The museum as cultural infrastructure for the territory: case studies in Savona</i> ; under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500.	
Comparative assessment procedure	<p>QUALIFICATIONS/PUBLICATIONS AND EXAM</p> <ul style="list-style-type: none"> • Assessment of qualifications/publications and the curriculum vitae et studiorum • Written test (research project) • Interview that includes the description of the candidate's research area of interest, also on the basis of previous activities stated in his/her scientific professional curriculum
Interview	<p>The interview of admitted candidates will take place at the University of Genova, via Balbi 2-4, on 25.07.2024, at 9.00 (CET); only admitted candidates living abroad will be permitted to connect remotely (using Microsoft TEAMS).</p> <p>Further information will be provided via e-mail after 19.07.2024.</p>
Further information on how to present qualifications/publications	<p>Curriculum vitae, qualifications, Master Thesis, publications and Research Project must be included in pdf format, as attachments to the application. Only the qualifications and publications relating to the LAST 3 SOLAR YEARS prior to the calendar year of publication of the call (excluding the Master's degree, which will be assessed even if previous) will be assessed. Qualifications and publications must be congruent with the research themes of the PhD Programme.</p> <p>Qualifications include:</p> <ol style="list-style-type: none"> 1) Master's Degree (<i>Laurea Magistrale</i> or <i>quadriennale (vecchio ordinamento)</i>) or an equivalent degree; 2) Copy of the MA dissertation (plus an abstract of 10.000 characters); 3) Scientific Publications, consistent with the research themes of the PhD programme: <ul style="list-style-type: none"> - books; - articles in scientific journals (Class A or B in the ANVUR classification); - essays in collective volumes; - brief essays, critical notes, editorships; 4) Other qualifications: <ul style="list-style-type: none"> Advanced Training Courses Degrees (<i>corsi di perfezionamento e/o di specializzazione e/o di Alta Formazione</i>); Masters in disciplines related to the research themes of the PhD Programme; PhD title; Additional Master's degree in disciplines related to the research themes of the Phd Programme; Grants, Fellowships, Awards; Research activity in scientific institutions; Teaching activity in academic institutions; Study experiences abroad; Internships, Traineeships and professional experiences related to the research themes of the PhD programme; Title of <i>culture della materia</i> or member of examination committees in academic institutions.
Exam Syllabus	<p>The comparative assessment will be based on the evaluation of the candidate's qualifications, the research project and the interview designed to assess the skills and knowledge required for admission to the PhD programme.</p> <p>The interview will evaluate in particular:</p> <ul style="list-style-type: none"> Argumentative and analytical skills with regard to the presentation of the research project; knowledge of the state-of-the-art and historiographic context related to the research project; Foreign language proficiency
Research Themes	<p>Research projects for grant within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f):</p> <ul style="list-style-type: none"> - <i>Collecting Contemporary Art in Genoa, 1960-2020</i>, cofinanziato da SO.FI.PA SPA - <i>The museum as cultural infrastructure for the territory: Savona's cases</i> (cofunded by SOCIETA' COOPERATIVA A.R.C.A. – IMPRESA SOCIALE)
Information on references	Letters of refence are not required and, if eventually received, will not be taken into account for

	the evaluation.
Foreign Languages	<p>The interview will test the candidate's knowledge of one of these languages: English, French, German or Spanish</p> <p>The candidate can choose one of these languages for the interview: Italian, English, French, German or Spanish.</p>
Further Information	<p>For further information, send an email to: stefano.gardini@unige.it</p> <p>Further information about commitments and conditions of the grants funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) are available in the Notice of competition (article 6, paragraph 6)</p> <p>Months to be spent abroad: 0</p>

Course: EUROPEAN STUDIES – Italian national doctorate

Dottorato di “interesse nazionale” in convenzione con Università degli Studi "G. d'Annunzio" CHIETI-PESCARA; UKE - Università Kore di ENNA, Università degli Studi di FOGGIA, Università degli Studi di MESSINA, Università degli Studi di MILANO, Università degli Studi di PALERMO, Università per Stranieri di PERUGIA, Sapienza Università di ROMA, Università degli Studi di ROMA "Tor Vergata", Università degli Studi di SIENA, Università per Stranieri di SIENA, Università degli Studi di TORINO, Università degli Studi di PERUGIA, Università degli Studi di TORINO, Università degli Studi di UDINE, Università degli Studi di Napoli Federico II, Università della VAL D'AOSTA, Università di CAGLIARI

Curriculum: MULTILEVEL GOVERNANCE AND FUNDAMENTAL RIGHTS (CODE 10601)

Course Coordinator: Guasconi Maria Eleonora	
Scienze politiche e internazionali (DiSPI)	
Places: 10 – Grants: 8 (*)	
The research projects can be viewed under grants details at: https://studieuropei.dottorato.unige.it/borse40_storia	
(*)	
1) 1 grant co-funded by IRCCS Gaslini within D.M. 630 dated 24.4.2024 (Università of Genova), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (CUP D32B24000820008);	
2) 1 grant funded within D.M. 629 PNRR dated 24.4.2024 (Università di Foggia); the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (CUP D32B24000640006);	
3) 1 grant co-funded by Fondazione AMGA within D.M. 630 dated 24.4.2024 (Università di Genova), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (CUP D32B24000820008);	
4) 1 grant funded within D.M. 629 dated 24.4.2024 (Università di Udine, field: Pubblica Amministrazione), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (CUP D32B24000650006);	
5) 1 grant funded within D.M. 629 dated 24.4.2024 (Università di Napoli Federico II, field: Pubblica Amministrazione, under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (CUP D32B24000650006);	
6) 1 grant co-funded by Cyber Security srl within D.M. 630 dated 24. 4. 2024 (Università di Genova), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (CUP D32B24000820008).	
7) 1 grant co-funded by CIMA and by the associated parties (Università di Cagliari and Università di Genova) the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00. Research project: The European and international climate dispute: effects on governance, actions and policies for climate change mitigation and adaptation.	
8) 1 grant funded within D.M. 629 dated 24.04.2024 (Università di Messina, field: PA), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (CUP D32B24000650006);	
9) 1 grant Executive of the University of Genova; the position is reserved for the employees of CNP UniCredit Vita S.P.A.	
10) 1 grant Executive of the University of Genova; the position is reserved for the employees of Amundi SGR S.P.A.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	19.07.2024 at 9.00 a:m online on the platform Teams. The code to access the platform will be published after 30/06/2023 on the PhD website: https://studieuropei.dottorato.unige.it/
Further information on how to present qualifications/publications	With the application, applicants must enclose their curriculum vitae, duly signed, showing their qualifications, any publications deemed useful for the evaluation, and a research project consistent with the Research Topics of the chosen PhD curriculum. The applicant may indicate two preferences of location and type of fellowship. The research project should indicate objectives, method and expected results of the research, as well as brief bibliographical indications, and should not exceed 15,000 characters (excluding spaces). Foreign candidates are requested to have a certified knowledge of Italian language level B2.
Exam Syllabus	The interview will focus on the research project and publications submitted by the applicant and the research topics of the applicant's chosen curriculum. Foreign language proficiency will be ascertained at the end of the interview.
Research Themes	- Protection of fundamental rights in the European area - Economic governance and supranational integration processes - Federalizing process and interordination relations in multilevel systems - Fundamental rights and new technologies - Political participation, political representation and fundamental rights - Security and rights - Environment, sustainability and fundamental rights
Information on references	Letters of reference are not required. Their submission, if any, will not be considered by the evaluation committee.

Foreign Languages	English
Further Information	For more information, including specific reference to the titles and themes of the grants, applicants may consult the website studieuropei.dottorato.unige.it or contact via email: studieuropei.dottorato@unige.it

Course: EUROPEAN STUDIES – Italian national doctorate

Dottorato di “interesse nazionale” in convenzione con Università degli Studi "G. d'Annunzio" CHIETI-PESCARA, UKE - Università Kore di ENNA, Università degli Studi di FOGGIA, Università degli Studi di MESSINA, Università degli Studi di MILANO, Università degli Studi di PALERMO, Università per Stranieri di PERUGIA, Sapienza Università di ROMA, Università degli Studi di ROMA "Tor Vergata", Università degli Studi di SIENA, Università per Stranieri di SIENA, Università degli Studi di TORINO, Università degli Studi di UDINE, Università degli Studi di PERUGIA, Università degli Studi di UDINE, Università degli Studi di Napoli Federico II, Università della VAL D'AOSTA, Università di CAGLIARI

Curriculum: EUROPEAN ECONOMIC AND SOCIAL POLICIES (CODE 10602)

Course Coordinator: Guasconi Maria Eleonora	
Scienze politiche e internazionali (DiSPI)	
Places: 5 – Grants: 5 (*)	
The research projects can be viewed under grants details at: https://studieuropei.dottorato.unige.it/borse40_storia	
(*)	
1) 1 grant co-funded by Liguria Ricerche within D.M. 630 dated 24.4.2024 (Università di Genova), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (CUP D32B24000820008);	
2) 1 grant co-funded by Salone Nautico srl within D.M. 630 dated 24.4.2024 (Università di Genova), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (CUP D32B24000820008);	
3) 1 grant funded within D.M. 629 dated 24.4.2024 in cooperation with ISPRA (Università di Genova, field: Pubblica Amministrazione), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (CUP D32B24000650006);	
4) 1 grant co-funded by Fondazione Chanoux within DM 630 dated 24.4.2024 (Università della Val d'Aosta), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (CUP D32B24000820008);	
5) 1 grant co-funded by Centro Studi sul Federalismo within DM 630 dated 24.4.2024 (Università di Torino), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (CUP D32B24000820008).	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	19.07.2024 at 9.00 a:m online on the platform Teams. The code to access the platform will be published after 30/06/2023 on the PhD website: https://studieuropei.dottorato.unige.it/
Further information on how to present qualifications/publications	With the application, applicants must enclose their curriculum vitae, duly signed, showing their qualifications, any publications deemed useful for the evaluation, and a research project consistent with the Research Topics of the chosen PhD curriculum. The applicant may indicate two preferences of type of fellowship. The research project should indicate objectives, method and expected results of the research, as well as brief bibliographical indications, and should not exceed 15,000 characters (excluding spaces). Foreign candidates are requested to have a certified knowledge of Italian language level B2.
Exam Syllabus	The interview will focus on the research project and publications submitted by the applicant and the research topics of the applicant's chosen curriculum. Foreign language proficiency will be ascertained at the end of the interview.
Research Themes	<ul style="list-style-type: none"> - European economic policies - European social policies - Public policy evaluation - European economic governance - Gender equality - Economy and Institutions - Development cooperation
Information on references	Letters of reference are not required. Their submission, if any, will not be considered by the evaluation committee.
Foreign Languages	English
Further Information	For more information, including specific reference to the titles and themes of the grants, applicants may consult the website studieuropei.dottorato.unige.it or contact via email: studieuropei.dottorato@unige.it

Course: EUROPEAN STUDIES – Italian national doctorate

Dottorato di “interesse nazionale” in convenzione con Università degli Studi "G. d'Annunzio" CHIETI-PESCARA; UKE - Università Kore di ENNA, Università degli Studi di FOGGIA, Università degli Studi di MESSINA, Università degli Studi di MILANO, Università degli Studi di PALERMO, Università per Stranieri di PERUGIA, Sapienza Università di ROMA, Università degli Studi di ROMA "Tor Vergata", Università degli Studi di SIENA, Università per Stranieri di SIENA, Università degli Studi di UDINE, Università degli Studi di PERUGIA, Università degli Studi di TORINO, Università degli Studi di UDINE, Università degli Studi di Napoli Federico II, Università della VAL D'AOSTA, Università di CAGLIARI

Curriculum: EUROPEAN ECONOMIC AND SOCIAL POLICIES (CODE 10603)

Course Coordinator: Guasconi Maria Eleonora	
Scienze politiche e internazionali (DiSPI)	
Places: 3 – Grants: 3 (*)	
<p>(*) 1 grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of FINPRO Liguria, under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500.</p> <p>Research project: Social innovation and demographic ageing: the new challenges of mutuality and social cooperatives</p> <p>(*) 1 grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of A.LLSa, under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500.</p> <p>Research project: Comparative European policies against serious gambling addiction.</p> <p>(*) 1 grant funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) in collaboration and with the contribution of LEONARDO SPA, under condition of the project and funding approval; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500.</p> <p>Research project: The strategic challenges of the new geopolitics and the potential of Artificial Intelligence for the European Defence Community.</p>	
Comparative assessment procedure	<p>QUALIFICATIONS/PUBLICATIONS AND EXAM</p> <ul style="list-style-type: none"> • Assessment of qualifications/publications and the curriculum vitae et studiorum • Written test (research project) • Interview that includes the description of the candidate's research area of interest, also on the basis of previous activities stated in his/her scientific professional curriculum
Interview	19.07.2024 at 9.00 a:m online on the platform Teams. The code to access the platform will be published after 30/06/2023 on the PhD website: https://studieuropei.dottorato.unige.it/
Further information on how to present qualifications/publications	With the application, applicants must enclose their curriculum vitae, duly signed, showing their qualifications, any publications deemed useful for the evaluation, and a research project consistent with the Research Topics of the chosen PhD curriculum. The research project should indicate objectives, method and expected results of the research, as well as brief bibliographical indications, and should not exceed 15,000 characters (excluding spaces). Foreign candidates are requested to have a certified knowledge of Italian language level B2.
Exam Syllabus	The interview will focus on the research project and publications submitted by the applicant and the research topics of the applicant's chosen curriculum. Foreign language proficiency will be ascertained at the end of the interview.
Research Themes	<p>Research project for grant within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f):</p> <ul style="list-style-type: none"> - Social innovation and demographic ageing: the new challenges of mutuality and social cooperatives; - Comparative European policies to combat serious gambling addiction; - The strategic challenges of the new geopolitics and the potential of Artificial Intelligence for the European Defence Community.
Information on references	Letters of reference are not required. Their submission, if any, will not be considered by the evaluation committee.
Foreign Languages	English
Further Information	<p>Further information about commitments and conditions of the grants funded within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f) are available in the Notice of competition (article 6, paragraph 6)</p> <p>Months to be spent abroad: 0</p>

Course: EUROPEAN STUDIES – Italian national doctorate

Dottorato di “interesse nazionale” in convenzione con Università degli Studi "G. d'Annunzio" CHIETI-PESCARA, Università degli Studi di FOGGIA, Università degli Studi di MESSINA, Università degli Studi di MILANO, Università degli Studi di PALERMO, Sapienza Università di ROMA, Università degli Studi di ROMA "Tor Vergata", Università degli Studi di SIENA, Università per Stranieri di SIENA, Università degli Studi di TORINO, Università degli Studi di UDINE, Università degli Studi di PERUGIA, Università degli Studi di Napoli Federico II, Università degli Studi della VAL D'AOSTA, Università degli Studi di CAGLIARI

Curriculum: HISTORY OF THE IDEA OF EUROPE AND OF EUROPEAN INTEGRATION (CODE 10604)

Course Coordinator: Guasconi Maria Eleonora	
Scienze politiche e internazionali (DiSPI)	
Places: 14 – Grants: 13 (*)	
The research projects of the universities can be viewed under grants details at: https://studieuropei.dottorato.unige.it/borse40_storia	
(*)	
1) 1 grant funded within D.M. 629 dated 24.04.2024 (Università di Chieti, field: PA), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (CUP D32B24000650006); I1	
2) 1 grant of the University of Genova co-funded by the Istituto Ligure per la Storia della Resistenza e dell'età contemporanea “Raimondo Ricci” of Genova; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00;	
3) 1 grant funded by the University of Genova; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00;	
4) 1 grant funded by the associated parties (Università di Messina); the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00;	
5) 1 grant co-funded by Fondazione Giannino Bassetti within D.M. 630 dated 24.04.2024 (Università di Milano), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (CUP D32B24000820008);	
6) 1 grant funded by the associated parties (Università degli Studi di Palermo); the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00;	
7) 1 grant funded by the associated parties (Università degli Studi di Perugia); the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00;	
8) 1 grant funded by the associated parties (Università di Roma La Sapienza); the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00;	
9) 1 grant co-funded by Fondazione Mattioli within D.M. 630 dated 24.4.2024 (Università di Roma Tor Vergata), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (CUP D32B24000820008);	
10) 1 grant co-funded by Fondazione Medor within D.M. 630 dated 24.4.2024 (Università di Siena), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (CUP D32B24000820008);	
11) 1 grant funded by the associated parties (Università per stranieri di Siena), the annual gross amount of the grant including social security expenses to be paid by the recipient, is € 16.500,00;	
12) 1 grant co-funded by Fondazione De Gasperi within D.M. 630 dated 24.4.2024 (Università della Val d'Aosta), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (CUP D32B24000820008);	
13) 1 grant of the University of Genova co-funded by Banca d'Italia, under condition of the approval of funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 - Research project: “The European currency from an historical perspective”.	
14) 1 grant Executive of the University of Genova, the position is reserved for the employees of Istituto Ligure per la Storia della Resistenza e dell'età contemporanea Raimondo Ricci.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	19.07.2024 at 9.00 a:m online on the platform Teams. The code to access the platform will be published after 30/06/2023 on the PhD website: https://studieuropei.dottorato.unige.it/
Further information on how to present qualifications/publications	With the application, applicants must enclose their curriculum vitae, duly signed, showing their qualifications, any publications deemed useful for the evaluation, and a research project consistent with the Research Topics of the chosen PhD curriculum. The applicant may indicate two preferences of location and type of fellowship. The research project should indicate objectives, method and expected results of the research, as well as brief bibliographical indications, and should not exceed 15,000 characters (excluding spaces). The applicant may indicate two preferences of location and type of fellowship. Foreign candidates are requested to have a certified knowledge of Italian language level B2.
Exam Syllabus	The interview will focus on the research project and publications submitted by the applicant and the research topics of the applicant's chosen curriculum. Foreign language proficiency will be ascertained at the end of the interview.
Research Themes	- History of the idea of Europe

	<ul style="list-style-type: none"> - History of the European integration process - History of political doctrines in relation to the European integration process - History of the European federalist movement - History of European institutions - History of euroskeptical political movements - History of the socioeconomic dynamics underlying the European integration process
Information on references	Letters of reference are not required. Their submission, if any, will not be considered by the evaluation committee.
Foreign Languages	English
Further Information	For more information, including specific reference to the titles and themes of the grants, applicants may consult the website studieuropei.dottorato.unige.it or contact via email: studieuropei.dottorato@unige.it

[1] Field of the grant updated after the publication of the Notice of competition (D.R. 2882 dated 6.06.2024)