

Disclaimer: Please note that only the Italian version of the present call for applications, issued with Rector's Decree 2409 dated 06.06.2025, 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>

ARCHITECTURE AND DESIGN	2
BIOENGINEERING AND ROBOTICS	4
BIOTECHNOLOGY IN TRANSLATIONAL MEDICINE	10
CIVIL, CHEMICAL AND ENVIRONMENTAL ENGINEERING	15
DIGITAL HUMANITIES. DIGITAL TECHNOLOGIES, THE ARTS, LANGUAGES, CULTURES AND COMMUNICATION	21
LAW	27
ECONOMICS AND QUANTITATIVE METHODS.....	35
PHYSICS AND NANOSCIENCES.....	38
CLINICAL AND EXPERIMENTAL IMMUNOLOGY	43
COMPUTER SCIENCE AND SYSTEMS ENGINEERING	44
ENGINEERING OF MODELS, MACHINE AND SYSTEMS FOR ENERGY, ENVIRONMENT AND TRANSPORT	48
MECHANICAL, ENERGY AND MANAGEMENT ENGINEERING	50
JOINT DOCTORATE IN INTERACTIVE AND COGNITIVE ENVIRONMENTS (JD ICE)	55
MODERN AND CLASSICAL LITERATURES AND CULTURES	60
MATHEMATICS AND APPLICATIONS	63
TRANSLATIONAL AND CLINICAL INTERNAL MEDICINE.....	68
EXPERIMENTAL MEDICINE.....	74
NEUROSCIENCES	77
PLANNING AND DECISION METHODS.....	85
ROBOTICS AND INTELLIGENT MACHINES – Italian national doctorate	87
HEALTH SCIENCES.....	102
MARINE SCIENCES AND TECHNOLOGIES.....	108
SCIENCES AND TECHNOLOGIES OF CHEMISTRY AND MATERIALS.....	115
SCIENCE AND TECHNOLOGY FOR THE ENVIRONMENT AND TERRITORY (STET).....	124
SCIENCE AND TECHNOLOGY FOR ELECTRICAL ENGINEERING, COMPLEX SYSTEMS FOR MOBILITY	128
SCIENCE AND TECHNOLOGY FOR ELECTRONIC AND TELECOMMUNICATION ENGINEERING.....	130
PAEDIATRIC SCIENCES.....	136
SOCIAL SCIENCES	142
SECURITY, RISK AND VULNERABILITY.....	148
HISTORY, ART HISTORY AND ARCHEOLOGY	159
EUROPEAN STUDIES – Italian national doctorate	167

Course: ARCHITECTURE AND DESIGN**Curriculum: ARCHITECTURE (CODE 11163)**

Course Coordinator: Giberti Massimiliano	
Department of Architecture and Design (Dipartimento di Architettura e Design - DAD)	
Places: 5 (°) – 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 € 16,500 (*) 1 grant cofunded by Università degli Studi di Genova and ARTE Genova; the annual amount of the grant, gross of social security charges payable by the recipient, is € 16,500 (*) 1 grant cofunded by Università degli Studi di Genova and ACPV Architects; the annual amount of the grant, gross of social security charges payable by the recipient, is € 16,500 (*) 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 (°) 1 position reserved for foreign scholarship holders	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	25.07.2025 – time 9.30 (CEST) 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. • Metaverse, Innovation of digital art and digitalization of spaces and production of digital architecture Specific research projects relating to grants cofinanced from external bodies, grants co-financed with ATENEO/Departmental funds are described and available at https://add.dottorato.unige.it/ Research project cofunded by <u>ARTE Genova</u> : <i>Innovation in the management and design of public housing: digital models and international strategies for the valorisation of the social housing stock.</i> Research project cofunded by <u>ACPV Architects</u> : <i>Artificial intelligence for architecture: theories, models and generation of technological solutions for the building and the built environment.</i>
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: DESIGN (CODE 11164)**

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	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	23/7/2025 – time 9.30 (CEST) 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 11165)

Course Coordinator: Massobrio Paolo	
Department of Informatics, Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi – DIBRIS)	
Places: 7 (°) – Grants: 5 (*)	
(*) 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 (*) 1 grant funded by DIBRIS Department, Project MSCA2024_0000102 PATHWAYS FOR SELF-ENHANCEMENT: COMPARING SUPERNUMERARY TECHNOLOGIES AND COLLABORATIVE APPROACHES CUP: D33C25000480006, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500 (°) 2 places reserved for Fondazione don Carlo Gnocchi employees	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	25.07.2025 at 11.00 (CEST) in video conference
Further information on how to present qualifications/publications	Candidates must 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 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	The following research themes are proposed: <ol style="list-style-type: none"> 1. Neurophysiological Correlates of Sleep Disruption Across Brain Disorders 2. Ecological Virtual Reality for Assessment and Rehabilitation in Sensory, Motor, and Cognitive Disabilities 3. Building Digital Twins from Imaging and Electrophysiological Data to Test Electroceutical Strategies 4. Tools for connecting to health information systems for the reuse of clinical data for research purposes 5. Biological and Digital brain twin: computational models and in vitro neuronal networks 6. Assembling building blocks of the brain to explore the computational properties of complex <i>in vitro</i> structures coupled to Multi-Electrode Arrays 7. Dynamic modelling of cortical folding through bioprinted 4D constructs: exploration of mecano-cellular interactions in neurodevelopment 8. Development and characterization of novel electro-mechanical stimulation strategies for in vitro applications 9. Perceptual and motor issues in the development of interactive intelligence 10. Patient digital twins and robotic agents to understand neuromotor impairment and to promote recovery 11. Multimodal markerless motion analysis for home-based rehabilitation 12. Pathways for self-enhancement: comparing Supernumerary technologies and collaborative approaches (grant DIBRIS Department) 13. Optimization and validation of marker-less systems for human movement analysis (place reserved for Fondazione don Carlo Gnocchi employees) 14. Optimization and clinical assessment of high-tech solutions for neurorehabilitation (place reserved for Fondazione don Carlo Gnocchi employees)
	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 https://bit.ly/BIOROB_25_26
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. 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 11166)

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 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 € 17.500 Research project: Human brain-on-chip models for neuro-genetic diseases	
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 for the admitted candidates are scheduled on 25.07.2025 at 10.30 (CEST) in video conference.
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">- Human brain-on-chip models for neuro-genetic diseases (IRCCS G. Gaslini)
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 https://bit.ly/BIOROB_25_26
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 11167)

Course Coordinator: Massobrio Paolo	
Department of Informatics, Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi – DIBRIS)	
Places: 3 – Grants: 3 (*)	
(*) 3 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 € 18.500	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS
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	The following research themes are proposed: <ol style="list-style-type: none">1. Development of Natural-Origin Thermoset and Thermoplastic Polymers and Their Composites for Green Electronics and Robotics2. Development of Natural-Origin Hydrogels for Environmental Protection and Precision Agriculture3. Smart Microscopy with Event-Based Detectors and Adaptive Imaging Integration <p>For further details check: https://biorob.phd.unige.it/how-to-apply https://www.iit.it/phd</p>
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 https://bit.ly/BIOROB_25_26
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>

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 11168)

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 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 € 18.500	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS
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	The following research themes are proposed: <ol style="list-style-type: none">1. Multisensory development: cortical and behavioral mechanisms (2 positions available for this Research project)2. Memory-based Cognitive Architecture for Human Robot Interaction3. Adaptation in Cognitive Architectures for Human Robot Interaction4. A robot with style: implementing new robotic actions to promote human-robot interactions5. Lifelong Sensorimotor Health: Assessing and Rehabilitating Manipulation Skills with Haptic Devices <p>For further details check: https://biorob.phd.unige.it/how-to-apply https://www.iit.it/phd</p>
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 https://bit.ly/BIOROB_25_26
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. 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 11169)

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 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	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS
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	<p>The following research themes are proposed:</p> <ol style="list-style-type: none">1. Hierarchical, multi-domain reasoning models for autonomous robots2. Dual Arm Manipulation for human-robot cooperative operations3. Autonomous quadruped robots: new challenges in hostile and unstructured environments4. Aerial Drones for Monitoring Large Photovoltaic Plants5. LLM-Based approaches for diversity awareness applied to social robots in the educational sector6. Multiparty Human-Robot Interaction7. Multi-drone load transportation <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	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 https://bit.ly/BIOROB_25_26
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: BIOTECHNOLOGY IN TRANSLATIONAL MEDICINE**Curriculum: BIOIMAGING (CODE 11170)**

Course Coordinator: Sveva Bollini	
Department of Experimental Medicine (Dipartimento di Medicina Sperimentale – DIMES)	
Places: 1 – Grants: 1 (*)	
(*)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	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	18th July 2025 - h. 14.00 (CEST) - in person in Classroom 1 of Polo Alberti (Via L.B. Alberti, n.4 - Genova); if unable to attend in person or for justified reasons, the interview can be held on the M.Teams platform, by sending a request by e-mail by 15 th July 2025 to the Secretariat: enrico.zeraschi@unige.it . The evaluation results and the corresponding, with indication of admission or non-admission to the interview, will be notified to all candidates by e-mail, by h. 13.00 on 18 th July 2025.
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	Standardization and Measurement of the Performance of the HEAD-US Protocol for Early Detection of Haemophilic Arthropathy.
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. Sveva Bollini - Department of Experimental Medicine - Tel. 0105558394 - email: sveva.bollini@unige.it Curriculum contact person to whom to request scientific information: Prof. Carlo Martinoli - Department of Health Sciences - email: carlo.martinoli@unige.it Organizing Secretariat (to request technical information): Mr. Enrico Zeraschi - Department of Experimental Medicine - Tel. 0105558266 - email: enrico.zeraschi@unige.it

Course: BIOTECHNOLOGY IN TRANSLATIONAL MEDICINE**Curriculum: CELLULAR AND MOLECULAR BIOTECHNOLOGY (CODE 11171)**

Course Coordinator: Sveva Bollini	
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	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	18th July 2025 - h. 14.00 (CEST) - in person in Classroom 1 of Polo Alberti (Via L.B. Alberti, n.4 - Genova); if unable to attend in person or for justified reasons, the interview can be held on the M.Teams platform, by sending a request by e-mail by 15 th July 2025 to the Secretariat: enrico.zeraschi@unige.it . The evaluation results and the corresponding, with indication of admission or non-admission to the interview, will be notified to all candidates by e-mail, by h. 13.00 on 18 th July 2025.
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	Development of innovative therapeutic strategies for neuroepithelial brain tumors in murine or human models.
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. Sveva Bollini - Department of Experimental Medicine - Tel. 0105558394 - email: sveva.bollini@unige.it Curriculum contact person (to whom to request scientific information): Prof. Paolo Malatesta - Department of Experimental Medicine - Tel. 0105558213 - email: paolo.malatesta@unige.it Organizing Secretariat (to request technical information): Mr. Enrico Zeraschi - Department of Experimental Medicine - Tel. 0105558266 - email: enrico.zeraschi@unige.it

Course: BIOTECHNOLOGY IN TRANSLATIONAL MEDICINE**Curriculum: TRANSLATIONAL SURGERY (CODE 11172)**

Course Coordinator: Sveva Bollini	
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	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	18th July 2025 - h. 14.00 (CEST) - in person in Classroom 1 of Polo Alberti (Via L.B. Alberti, n.4 - Genova); if unable to attend in person or for justified reasons, the interview can be held on the M.Teams platform, by sending a request by e-mail by 15 th July 2025 to the Secretariat: enrico.zeraschi@unige.it . The evaluation results and the corresponding, with indication of admission or non-admission to the interview, will be notified to all candidates by e-mail, by h. 13.00 on 18 th July 2025.
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	Development of a three-dimensional evaluation system for osteoarthritis (OA) to study the interaction of an osteochondral scaffold with synovial fluid from normal and OA patients, mesenchymal-derived extracellular vesicles, and inflammation-modulating factors (anti-IL-1, anti-IL-6, anti-TNF alpha).
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. Sveva Bollini - Department of Experimental Medicine - Tel. 0105558394 - email: sveva.bollini@unige.it Curriculum contact person (to whom to request scientific information): Prof. Riccardo Ferracini - Department of Surgical Sciences and Integrated Diagnostics - – email: riccardo.ferracini@unige.it Organizing Secretariat (to request technical information): Mr. Enrico Zeraschi - Department of Experimental Medicine - Tel. 0105558266 - email: enrico.zeraschi@unige.it

Course: BIOTECHNOLOGY IN TRANSLATIONAL MEDICINE**Curriculum: REGENERATIVE MEDICINE AND TISSUE ENGINEERING (CODE 11173)**

Course Coordinator: Sveva Bollini	
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	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	18th July 2025 - h. 14.00 (CEST) - in person in Classroom 1 of Polo Alberti (Via L.B. Alberti, n.4 - Genova); if unable to attend in person or for justified reasons, the interview can be held on the M.Teams platform, by sending a request by e-mail by 15 th July 2025 to the Secretariat: enrico.zeraschi@unige.it . The evaluation results and the corresponding, with indication of admission or non-admission to the interview, will be notified to all candidates by e-mail, by h. 13.00 on 18 th July 2025.
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	Fanconi gene mutation impact in head and neck tumors by omics and by energetic analysis.
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. Sveva Bollini - Department of Experimental Medicine - Tel. 0105558394 - email: sveva.bollini@unige.it Curriculum contact person (to whom to request scientific information): Prof.ssa Silvia Ravera - Department of Experimental Medicine - Tel. 0103357871 - email: silvia.ravera@unige.it Organizing Secretariat (to request technical information): Mr. Enrico Zeraschi - Department of Experimental Medicine - Tel. 0105558266 - email: enrico.zeraschi@unige.it

Course: BIOTECHNOLOGY IN TRANSLATIONAL MEDICINE**Curriculum: TRANSLATIONAL AND PRECISION MEDICINE (CODE 11174)**

Course Coordinator: Sveva Bollini	
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 (°) 1 position reserved for an international mobility programme (project “SECRET: 'Exploring the therapeutic potential of perinatal cell SECRETomes” funded under the call Marie Skłodowska Curie Action - Doctoral Network 2023)’ under the condition that the Ministry of University and Research grants a waiver of the provisions on research contracts or enacts new legislation on the matter	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	18th July 2025 - h. 14.00 (CEST) - in person in Classroom 1 of Polo Alberti (Via L.B. Alberti, n.4 - Genova); if unable to attend in person or for justified reasons, the interview can be held on the M.Teams platform, by sending a request by e-mail by 15 th July 2025 to the Secretariat: enrico.zeraschi@unige.it . The evaluation results and the corresponding, with indication of admission or non-admission to the interview, will be notified to all candidates by e-mail, by h. 13.00 on 18 th July 2025.
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	(°) Identify the most cardio-active secretome from perinatal progenitor cells to enhance cardiac repair; (*) Characterization of circulating biomarkers correlated with non-small cell lung cancer progression.
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. Sveva Bollini - Department of Experimental Medicine - Tel. 0105558394 - email: sveva.bollini@unige.it Curriculum contact persons to whom to request scientific information: (°) Prof. Sveva Bollini - Department of Experimental Medicine - Tel. 0105558394 - email: sveva.bollini@unige.it (*) Dr. Simona Coco – IRCCS Ospedale Policlinico San Martino – Tel. 0105558316 – email: simona.coco@hsanmartino.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 11175)

Course Coordinator: Massabò Roberta Department of Civil, Chemical and Environmental Engineering (Dipartimento di Ingegneria Civile, Chimica e Ambientale – DICCA)	
Places: 4 (°) – Grants: 3 (*) [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. (*) 1 grant co-funded by MUR/Department (DICCA), the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500. (*) 1 grant funded by STAM Srl, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500. Research Project: “From Lab to Industry: MCFC Materials, Processes, and Market Integration Strategies”. [1] (°) 1 position reserved for Smiledge s.r.l. employees.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	<p>24.07.25, 9:00 am (CEST), 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. 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.</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. 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	<p>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.</p>
Research Themes	<p>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.</p> <p><u>Research project for the position reserved for Smiledge s.r.l. employees:</u> “Orthodontic Aligners Made of Innovative Resins: Mechanical, Physicochemical, and Structural Evaluation”.</p>
Information on references	<p>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.</p> <p>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</p>

	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

[1] Position with grant added after the publication of the Notice of competition (D.R. 2409 dated 6.06.2025)

Course Coordinator: Massabò Roberta	
Department of Civil, Chemical and Environmental Engineering (Dipartimento di Ingegneria Civile, Chimica e Ambientale – DICCA)	
Places: 3 – Grants: 3 (*) [1]	
<p>(*) 1 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.</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 by Department (DICCA), the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500. Project: “Hydrodynamics performances and stability of artificial reefs” [1]</p>	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	<p>24.07.2025, 9:00 am (CEST), 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. 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.</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	<p>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.</p>
Information on references	<p>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.</p> <p>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.</p>
Foreign Languages	English
Further Information	<p>https://dicca.dottorato.unige.it</p> <p>Prof. Bianca Federici</p> <p>bianca.federici@unige.it</p>

[1] Position with grant added after the publication of the Notice of competition (D.R. 2409 dated 6.06.2025)

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 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 Research project: <i>Detection of Objects from Satellite Images Using Inverse Design and Artificial Intelligence</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	<p>24.07.2025, 9:00 am (CEST), 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. 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.</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	<p>Research project for grants within PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f): Project: "<i>Detection of Objects from Satellite Images Using Inverse Design and Artificial Intelligence</i>", referent Prof. Jan Pralits (jan.pralits@unige.it).</p> <p>The research project must be prepared on the project thematics described 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. 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.</p>
Information on references	<p>Candidates must choose at least one and no more than three referees to support their candidature. A reference letter from Prof. Jan Pralits (jan.pralits@unige.it) 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.</p> <p>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.</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 to be spent abroad: 0</p> <p>https://dicca.dottorato.unige.it Prof. Bianca Federici bianca.federici@unige.it</p>
----------------------------	---

Course: CIVIL, CHEMICAL AND ENVIRONMENTAL ENGINEERING**Curriculum: STRUCTURAL AND GEOTECHNICAL ENGINEERING, MECHANICS AND MATERIALS (CODE 11178)**

Course Coordinator: Massabò Roberta	
Department of Civil, Chemical and Environmental Engineering (Dipartimento di Ingegneria Civile, Chimica e Ambientale – DICCA)	
Places: 2 – Grants: 2 (*)	
(*) 2 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.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	<p>24.07.2025, 9:00 am (CEST), 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	<p>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.</p> <p>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.</p>
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 11179)

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 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	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	24.07.2025 – time 9.30 AM (CEST) - 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	<p>1. Restoration in digital/the digital in restoration</p> <p>2. The words of art. Twentieth-century art criticism expressed in female terms.</p> <p>3. Towards a digital iconographic atlas of XIX Century Italian actor.</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 11180)

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	22.07.2025 – time 10.00 AM (CEST) 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. The Translation of Croatian Legal Language within the European Union between Normative Convergence and Linguistic Identity2. The language of emotions in Children’s soviet literature during the Stalin era.
Foreign Languages	During the interview candidates must demonstrate knowledge of the foreign language relevant to the development of the research topic.
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 11181)

Course Coordinator: Bricco Elisa	
Department of Modern Languages and Cultures (Dipartimento di Lingue e culture moderne – DLCM)	
Places: 5 (°) – 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 by MUR/Department (DLCM), the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500	
(°) 2 positions for graduates holding a grant from abroad	
Comparative assesment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	24.07.2025 – time 10.00 AM (CEST) - 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. Corr<si>Ca Project. Construction of a portal for the use of a multilingual epistolary. 2. Contrastive sociopragmatic analysis of LGBTQIA+ identity language and discourse markers in Hip Hop lyrics and creation of a multilingual digital archive (IT, EN). 3. Educational Innovation for Soft Skills and the Prevention of Gender Violence. A training approach that integrates educational technologies to develop relational skills and promote a culture of respect. 4. Modeling Textual Coherence and Cohesion in the Era of Large Language Models. 5. A Migration Atlas of German-Speaking Jewry. Developing a Geodatabase and Interactive Multilingual Platform for Narrative Mapping and Life Stories 6. Teaching EFL for special purposes and digital technology (°)

	7. Digital tools for translation (°) 8. Cross and intercultural digital communication (°)
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 11182)

Course Coordinator: Bricco Elisa	
Department of Modern Languages and Cultures (Dipartimento di Lingue e culture moderne – DLCM)	
Places: 1 – Grants: 1 (*)	
<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 Darts Engineering 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.</p> <p>Research project: <i>U-space EcoRobotics: solutions and services based on eco-friendly robotic and artificial intelligence systems for the protection of coastal ecosystems and infrastructures at risk in the fragile Ligurian territory.</i></p>	
Comparative assesment 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	24.07.2025 – time 10.00 AM (CEST) - 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	The U-space EcoRobotics project aims to create prototype solutions and service models based on Robotics and Artificial Intelligence that are eco-compatible for the protection of coastal ecosystems and infrastructures at risk in the fragile Ligurian territory. (PROGRAMMA REGIONALE FONDO SOCIALE EUROPEO+ 2021-2027 PRIORITÀ 2 - ISTRUZIONE E FORMAZIONE - ESO 4.6 (OS-f))
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 11183)

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	22.07.2025 – time 10.00 AM (CEST) - 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. Multimodal corpus of plurilingual interactions
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 11184)

Course Coordinator: Ivaldi Paola	
Department of Law Studies (Dipartimento di Giurisprudenza – DIGI)	
Places: 17 (°) – 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 (*) 1 grant funded by Department (DIGI) the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500 (°) 15 positions for graduates holding grants from abroad (Foreign States)	
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 • Theory of Legal Language • Theories of Legal Interpretation • Theory of Legal Sources • General Theory of Law and State • Constitutional Interpretation • Logic and Legal Argumentation • History and Theories of Legal Dogmatics • History and theory of norms and legal systems • Juridical Enlightenment and Codification Ideologies • History of justice and ideologies of jurisdiction • History of Legal Culture and Thought • Welfare State: history and theory • History of commercial law and legal-commercial culture • History of criminal law and legal-criminal culture • History and Theories of Subjective Rights • Family law: history and culture • Law and Culture • Law and Social Change • Philosophies of Punishment • Epistemology and Theory of Legal Science • Natural Law and Legal Positivism • Feminist Theories of Law • Equality, Poverty, Welfare State, Regulation and Deregulation • Law, Constitutions and Constitutionalism • Bioethics and Legal Philosophy • Sociology of Law and History of Legal-Sociological Thought • Economic Analysis of Law • Environmental Jurisprudence
Information on references	Candidates must provide up to three letters of reference (minimum one) supporting their application.

	<p>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.</p> <p>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.</p>
Foreign Languages	English, Spanish
Further Information	<p>During the three-year period (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. Destinations, modalities and timing should be agreed upon with the tutors, and the relevant project must be approved by the “Collegio dei docenti” (Board of Teachers).</p> <p>Strict fulfillment of this obligation must be substantiated with appropriate documentation, which must be submitted to the “Collegio dei docenti”, at the latest at the meeting for admission to the final examination. In any case, a minimum fraction of three months, within the total training period of six, must take place abroad.</p> <p>Referente del curriculum / Curriculum coordinator: Prof. Pierluigi Chiassoni pierluigi.chiassoni@unige.it Referente amministrativo / Curriculum secretary: dott.ssa Stefania Lavezzo dottorato.diritto@unige.it</p>

Curriculum: INTERNATIONAL LAW (COMMERCIAL, EUROPEAN UNION AND INTERNATIONAL LAW) (CODE 11185)

Course Coordinator: Ivaldi Paola	
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	<p>24.07.2025, at 10.30 a.m. (CEST) at the Section of Commercial Law, Via Balbi 2nd floor.</p> <p>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.</p>
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	<p>The interview consists:</p> <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 topics set out below; - in the discussion of the research project presented.
Research Themes	<p>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.</p> <p>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).</p> <p>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.</p>
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.

Further Information	<p>During the three-year period (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. Destinations, modalities and timing should be agreed upon with the mentors, and the relevant project must be approved by the “Collegio dei docenti” (Board of Teachers).</p> <p>Strict fulfillment of this obligation must be substantiated with appropriate documentation, which must be submitted to the “Collegio dei docenti”, at the latest at the meeting for admission to the final examination. In any case, a minimum fraction of three months, within the total training period of six, must take place abroad.</p> <p>Contact person for the curriculum: Prof. Paola Ivaldi e-mail: Paola.Ivaldi@unige.it</p> <p>Administrative contact person: Dr. M. Stefania Lavezzo e-mail: dottorato.diritto@unige.it</p>
----------------------------	---

Course: LAW

Curriculum: PRIVATE LAW (LABOUR, PRIVATE, PRIVATE COMPARATIVE AND CIVIL PROCEDURAL LAW) (CODE 11186)

Course Coordinator: Ivaldi Paola	
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 EXAM
Written Test	24.07.2025, h. 9.00 a.m. (CEST) at the Private Law Section of the Department of Law, Via Balbi n. 22 (Stears B, 4th floor) Genoa
Interview	24.07.2025, h. 4.30 p.m. at the Private Law Section of the Department of Law, Via Balbi n. 22 (Stears B, 4th floor) Genoa
Further information on how to present qualifications/publications	<p>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.</p> <p>The research proposal shall focus on topics related to the <i>curriculum</i> research themes. The research project is requested to include: thematic area of interest, title of the project, state of the art, synthetic bibliography, main research question(s), planned work, expected results.</p>
Contents of the examinations	<p>The written test will consist of a written discussion on one of the four research themes of the curriculum.</p> <p>The interview will focus on the discussion of the written test and the research project presented by the candidate.</p>
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>
Foreign Languages	English

Further Information	<p>During the three-year period (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. Destinations, modalities and timing should be agreed upon with the mentors, and the relevant project must be approved by the “Collegio dei docenti” (Board of Teachers).</p> <p>Strict fulfillment of this obligation must be substantiated with appropriate documentation, which must be submitted to the “Collegio dei docenti”, at the latest at the meeting for admission to the final examination. In any case, a minimum fraction of three months, within the total training period of six, must take place abroad.</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>
----------------------------	---

Course: LAW

Curriculum: PUBLIC LAW (ADMINISTRATIVE, CONSTITUTIONAL, CRIMINAL, CRIMINAL PROCEDURAL AND TAX LAW) (CODE 11187)

Course Coordinator: Ivaldi Paola	
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 EXAM
Written Test	23.07.2025 – ore 9.30 (CEST) Computer Classroom (Albergo dei Poveri - Piazzale Emanuele Brignole, 2)
Interview	24.07.2025 – ore 9.30 (CEST) 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, on the related topics and on the discussion 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> <ul style="list-style-type: none"> - The potential and constraints of European fiscal integration, along with strategies for addressing international tax avoidance. - The old and new frontiers of customs law - The challenges of contributive capacity: traditional forms versus alleged new wealth indicators. - The effectiveness and proportionality of punitive and preventive instruments in tax matters. - Progressivity, the crisis of direct taxes and the new frontiers of indirect taxation. - Fair administrative procedure between powers and rights. - Fair tax proceedings and their coordination with other procedural systems.

	<p>Public comparative law</p> <ul style="list-style-type: none"> - Human rights; - Legal Pluralism; - Minorities Rights; - Federalism and regionalism; - Constitution-making power and constitutional transitions; - Fairness and transparency of political public decision-making and right to information of citizens; - Public powers in the global legal space.
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 period (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. Destinations, modalities and timing should be agreed upon with the mentors, and the relevant project must be approved by the “Collegio dei docenti” (Board of Teachers). Strict fulfillment of this obligation must be substantiated with appropriate documentation, which must be submitted to the “Collegio dei docenti”, at the latest at the meeting for admission to the final examination. In any case, a minimum fraction of three months, within the total training period of six, must take place abroad.</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: ECONOMICS AND QUANTITATIVE METHODS
(CODE 11188)

Course Coordinator: Piga Claudio Antonio Giuseppe	
Department of Economics (Dipartimento di Economia – DIEC)	
Places: 6 – Grants: 6 (*) [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 € 16,500	
(*) 1 grant cofunded by MUR/Department (DIEC) through an agreement between DIEC and Lega Ligure delle Cooperative e Mutue; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17,500	
(*) 1 grant funded by Regione Liguria, Ufficio Programmazione; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16,500 [1]	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	24.07.2025 – ore 09:30 (CEST) on TEAMS channel
Exam Syllabus	Discussion on the candidate's CV and of the submitted Research Project. The discussion will be held in English
Research Themes	<p>a) The research projects for the 4 ministerial grants 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 in English 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>b) The research project for 1 grant co-funded by MUR/Department of Economia/Lega Ligure Cooperative must be based on the following general area of research: “SOCIAL ECONOMY, ECOSYSTEMS and TECHNOLOGICAL AND ORGANIZATIONAL INNOVATION”.</p> <p>The candidates for this grant must submit a research project in English that focuses on specific themes related to the general research area, illustrate the theoretical foundations presented in the literature and discuss the quantitative methods they plan to adopt to develop their investigation of the chosen theme.</p> <p>c) The research project for 1 grant funded by Regione Liguria must be based on the following general area of research: “REGIONAL ECONOMICS AND PREDICTIVE MICRO AND MACRO-ECONOMIC MODELS”.</p> <p>The candidates for this grant must submit a research project in English that focuses on specific themes related to the general research area, illustrate the theoretical foundations presented in the literature and discuss the quantitative methods they plan to adopt to develop their investigation of the chosen theme, with particular reference to the creation, reinforcement, updating, and application of macroeconomic models for the regional economies. [1]</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	For all grants, the successful candidates can opt to spend up to 6 months visiting a foreign university or a foreign research institute. Such a period can be extended to 9 months prior

	<p>approval by the PhD Council Board. During such periods, the scholarship will be increased by 50%. The grant recipients will also receive a yearly research fund, worth 10% of the gross value of each type of grant, 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.</p>
--	--

[1] Position with grant added after the publication of the Notice of competition (D.R. 2409 dated 6.06.2025)

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 11189)

Course Coordinator: Tosi Silvano	
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 € 18.500	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	<p>24.07.2025 – 8:30 am (CEST) at the Department of Physics (Dipartimento di Fisica – DIFI), via Dodecaneso 33, Genova.</p> <p>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 14.07.2025 to phd.physics@unige.it</p> <p>The details about the connection will be in the reply to the e-mail request.</p>
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"> • “Single-molecule fluorescence real-time tracking and visualisation of biological molecules at the nanoscale”. <p>The development of super-resolved optical fluorescence microscopy methods has significantly advanced single-molecule tracking and imaging. The exceptional localization precision of just a few nanometers opens up new biophysical insights into the molecular mechanisms involved in neuronal and oncological diseases. Unlike ensemble-averaging measurements, single-molecule localization tracking and imaging at the nanoscale provide quantitative information on the kinetics of individual molecules within living cells and their respective interactions. Our modeling and understanding of these processes will be linked to a key case study focusing on chromatin-DNA organization and function.</p> <p>Contact: Prof. Alberto Giovanni Maria Diaspro – alberto.diaspro@unige.it</p>
Information on references	<p>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. Silvano Tosi to the e-mail address: phd.physics@unige.it</p> <p>The subject of the e-mail must be: PHD REFERENCE LETTER – BIONANOSCIENCES.</p>
Foreign Languages	<p>Excellent knowledge of both spoken and written English.</p> <p>A very basic knowledge of Italian is desirable.</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: PHYSICS (CODE 11190)

Course Coordinator: Tosi Silvano	
Department of Physics (Dipartimento di Fisica – DIFI)	
Places: 11 – Grants: 11 (*) [1]	
(*) 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 € 17.500; (*) 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; (*) 1 grant funded by INAF, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500; (*) 1 grant funded by IIT, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 18.500; (*) 1 grant co-funded by MUR/INFN, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500; (*) 1 grant funded by Siena Imaging srl, 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	24.07.2025 – 8:30 am (CEST) 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 14.07.2025 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	<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 INFN</u></p> <p>• “<i>Exploration of the Higgs boson self-couplings using single- and double-Higgs events at the LHC Run3, chasing the ultimate precision for the HL-LHC</i>”</p> <p>The topic is within the ATLAS experiment at the LHC accelerator at CERN. The candidate will contribute in an original and supervised way to the research activities of the ATLAS group in Genoa, with emphasis on the development of new techniques for the reconstruction of hadronic final states with machine learning algorithms and on the analysis of data for the study of the Higgs boson and the pair production of the Higgs boson in the decay channels with beauty quarks and tau leptons. Contact: Dr. Andrea Coccaro – andrea.coccaro@ge.infn.it</p> <p><u>Research topic of the grant funded by IIT</u></p> <p>• “<i>Machine Learning and Molecular Dynamics</i>”</p> <p>Machine learning techniques for molecular dynamics simulations.”</p> <p>Contact: Dr. Michele Parrinello – michele.parrinello@iit.it</p> <p><u>Research topic of the grant funded by Siena Imaging srl</u></p>

	<ul style="list-style-type: none"> • <i>“Towards explainable multi-omics integration through novel deep learning architectures and interpretable frameworks”</i> <p>The PhD project focuses on the interpretability of Deep Learning (DL) models applied to “multi-omics” integration. Multi-omics is an analysis approach that combines data from different “omics” disciplines and technologies, including bio-molecular (genomics, transcriptomics, proteomics) and imaging (magnetic resonance imaging (MRI), positron emission tomography (PET) and computed axial tomography (CT)). Although a combined analysis has the potential to provide a multi-dimensional understanding of complex phenotypes, one of the main obstacles is the difficulty in interpreting the predictive models resulting from the fusion of these large datasets. The PhD aims to develop advanced methodologies to refine: the integration of different omics and the interpretability of the implemented predictive models. In particular, the project will focus on the development of novel network structures for the integration of multi-omics data. We will deepen our knowledge of the models used in the literature for similar tasks, based, for example, on the use of multi-modal tensors and “gating” attention mechanisms to control the expressiveness of each feature. In this case, the goal of the tensor would be to capture the space of all possible interactions between features across the different modalities, regularizing the less important features through specific mechanisms. The project will then focus on the interpretability of the implemented models, to automatically identify and visualize the features of greatest importance for the model during the decision-making process. The goal will be to improve the understanding of complex multi-omics models, leveraging current knowledge on single-omics model interpretability techniques (e.g., image attention maps). The PhD student will have the opportunity to work on cutting-edge software optimized for single and multi-omics analysis already implemented at Siena Imaging, creating new analysis modules in this context. Such approaches will be useful in providing a predictive result interpretable in the clinical setting, facilitating the transition from basic research to clinical and applied practice, with direct applications in the diagnosis and prognosis of complex diseases.</p> <p>Contact: Dr. Francesco Sforazzini - sforazzini@sienaimaging.it [1]</p>
Information on references	<p>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. Silvano Tosi to the e-mail address: phd.physics@unige.it</p> <p>The subject of the e-mail must be: PHD REFERENCE LETTER – PHYSICS.</p>
Foreign Languages	<p>Excellent knowledge of both spoken and written English. A very basic knowledge of Italian is desirable.</p>

[1] Position with grant added after the publication of the Notice of competition (D.R. 2409 dated 6.06.2025)

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 11191)

Course Coordinator: Tosi Silvano	
Department of Physics (Dipartimento di Fisica – DIFI)	
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 Tenova 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: Methods and techniques of AI and automation from High Energy Physics to robotized Grab Ship Unloaders	
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	24.07.2025 – 8:30 am (CEST) 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 14.07.2025 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	Research topic of the 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 Tenova spa <i>“Methods and techniques of AI and automation from High Energy Physics to robotized Grab Ship Unloaders”</i> Contact: Dr. Michela Boccadoro – michela.boccadoro@tenova.com
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. Silvano Tosi 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 11192)

Course Coordinator: Tosi Silvano	
Department of Physics (Dipartimento di Fisica – DIFI)	
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	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	24.07.2025 – 8:30 am (CEST) 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 14.07.2025 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	Various active research lines at DIFI include topics of applied superconductivity
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. Silvano Tosi 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.

Course: CLINICAL AND EXPERIMENTAL IMMUNOLOGY
(CODE 11193)

Course Coordinator: Sivori Simona	
Department of Experimental Medicine (Dipartimento di Medicina Sperimentale – DIMES)	
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 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	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	July 28th, 2025 – at 10:00 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	Candidates must submit: - 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	<ul style="list-style-type: none"> - Interactions among cells of the innate immunity in human tumor microenvironment - Endothelial cells reactivity: <i>in vitro</i> and <i>in vivo</i> testing in autoimmune rheumatic diseases - Strategies for exploiting and enhancing the antitumor activity of peculiar NK cell subsets - Immunological endotyping of chronic obstructive pulmonary disease
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	Doctoral secretariat: Dr. Chiara Marangoni dottorato.immunologia@unige.it

Course: COMPUTER SCIENCE AND SYSTEMS ENGINEERING

Curriculum: COMPUTER SCIENCE (CODE 11194)

Course Coordinator: Delzanno Giorgio	
Department of Informatics, Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi – DIBRIS)	
Places: 9 - Grants: 8 (*) [1]	
<p>(*) 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</p> <p>(*) 1 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 € 18.500</p> <p>(*) 1 grant funded by DIBRIS on the project ERC-2023-STG MALIN “Model-aware learning for imaging inverse problems in fluorescence microscopy” GA n. 101117133- CUP D33C24001440006, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €18.500</p> <p>(*) 1 grant funded by DIBRIS, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €18.500 [1]</p> <p>(*) 1 grant funded by DIBRIS on the project ERC CoG RIDING “Physics informed algorithms for sensing and navigating turbulent environments” CUP: D35F21001290006 the annual gross amount of the grant, including social security expenses to be paid by the recipient, is €18.500 [1]</p> <p>(*) 1 PhD position reserved for employees of the DocSpace company. [1]</p>	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	Interviews are scheduled on 28.07.2025 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	<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, research theme or macro-theme (see specific section of this notice); reference to a research group involved in the PhD program,</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>The research project must contain a clear indication of the type of grant of interest to the candidate, the research topic, and a DIBRIS research group of reference.</p> <p>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. Projects that fall within the research lines of the doctoral program will also be considered (see https://csse.phd.unige.it/).</p> <p>Research topics for 1 grant funded by DIBRIS: N. 1 grant funded on the project ERC-2023-STG MALIN “Model-aware learning for imaging inverse problems in fluorescence microscopy” GA n. 101117133- CUP D33C24001440006, research theme “<i>Generative models for image reconstruction problems in fluorescence microscopy</i>”</p> <p>N. 1 grant funded on the DIBRIS Project, research theme “<i>Data-driven Quantum Kernel Engineering</i>” [1]</p> <p>N. 1 grant funded on the project ERC CoG RIDING “Physics informed algorithms for sensing and navigating turbulent environments” CUP: D35F21001290006, research theme: <i>Reinforcement learning for turbulent navigation</i> [1]</p>

	<p>Specific research topics for grants funded by external organizations: N. 1 grant funded by Italian Institute of Technology (IIT), research theme “<i>Machine learning and dynamical systems</i>”.</p> <p>N. 1 PhD position reserved for employees of the DocSpace company. [1]</p> <p>For more details (abstracts/contacts), 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.</p> <p>The referees must be university professors or experts in the field. They must upload a recommendation letter, specifying their name, role using the following form: bit.ly/CSSE_25_26</p> <p><u>I</u>t is the responsibility of the referees to send the reference letters by the deadline for the call.</p> <p>The reference letter template is available at the URL: https://csse.phd.unige.it/admission</p>
Language	English

[1] Positions added after the publication of the Notice of competition (D.R. 2409 dated 6.06.2025)

Course Coordinator: Giorgio Delzanno	
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 Comftech S.r.l. 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, research project: <i>“Edge and cloud computing for certified wearable devices.”</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	Interviews for the admitted candidates are scheduled on 29.07.2025 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/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, research theme or macro-theme (see specific section of this notice); reference to a research group involved in the PhD program, Instructions and suggestions for the submission of the research proposal are available at the URL https://csse.phd.unige.it/admission
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>“Edge and cloud computing for certified wearable devices”</i> (Comftech S.r.l.)
Information on references	Candidates must choose no less than one and no more than three contact persons to support their candidacy. The referees must be university professors or experts in the field. They must upload a recommendation letter, specifying their name, role using the following form: bit.ly/CSSE_25_26 <u>I</u> t is the responsibility of the referees to send the reference letters by the deadline for the call. The reference letter template is available at the URL: https://csse.phd.unige.it/admission
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 Coordinator: Giorgio Delzanno	
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 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 cofunded by MUR/Department (DIBRIS), the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 18.500	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	Interviews are scheduled on 28.07.2025 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, the research topic, and a DIBRIS research group of reference. Research topics for 2 grants funded by the University of Genoa/MUR: The projects proposed by DIBRIS research groups for University/MUR grants are described at the URL: https://csse.phd.unige.it/admission Projects that fall within the research lines of the doctoral program will also be considered (see https://csse.phd.unige.it/). 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 referees must be university professors or experts in the field. They must upload a recommendation letter, specifying their name, role using the following form: bit.ly/CSSE_25_26 It is the responsibility of the referees to send the reference letters by the deadline for the call. 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

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

Curriculum: MACHINES AND SYSTEMS FOR ENERGY, ENVIRONMENT AND PROPULSION (CODE 11197)

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: 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 (*) 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 € 19.500	
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: MATHEMATICAL, STRATEGIC AND SIMULATION ENGINEERING (CODE 11198)

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 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 (DIME), 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
Research Themes	<p>The following research topics are proposed within the curriculum:</p> <ol style="list-style-type: none"> 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: MECHANICAL, ENERGY AND MANAGEMENT ENGINEERING

Curriculum: ECONOMICS AND MANAGEMENT (CODE 11199)

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	
Comparative assessment procedure	QUALIFICATIONS AND INTERVIEW
Interview	21.07.2025 10:00 am (CEST) 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. EMI 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

	<p>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 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 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	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	21.07.2025 10:00 am (CEST) 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.fosssa@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 Coordinator: Berselli Giovanni	
Department of Mechanical, Energetics, Management and Transport Engineering (Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti – DIME)	
Places: 5 – Grants: 5 (*) [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 (*) 1 grant funded by 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 IIT, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 19.500. [1] (*) 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. (*) 1 grant funded by Leonardo, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 19.500,00. [1]	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	<p>21.07.2025 10:00 am (CEST) at the Department of Mechanical, Energy, Management and Transport Engineering (DIME), MEC section, via All'Opera Pia 15 / a, Genoa or online.</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 & 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)</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 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.</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 and planned in the actual project.</p>
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	<p>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.</p> <p>Characteristics of scholarships funded by external bodies:</p> <ul style="list-style-type: none"> - Scholarship title for IIT: i) Revising Robot Design through Novel Mechatronic Solutions; ii) CAE tools for Novel Redundant Manipulators. [1] - Scholarship title for Leonardo: Space Inspection Algorithms design and Enhancement of Space Robotic Arms with Reinforcement Learning [1]
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 giovanni.berselli@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	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
----------------------------	--

[1] Positions with grant added after the publication of the Notice of competition (D.R. 2409 dated 6.06.2025)

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 11202)

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: 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	
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	<p>23.07.2025 at 9.30 (CEST) at the Department of Electrical, Electronic, Telecommunications Engineering and Naval Architecture (DITEN), University of Gena, Via Opera Pia 11A - 16145 Genoa, Italy or online.</p> <p>The platform used for the online interviews will be MS Teams with video mode to verify the candidate's identity, upon request via email to the Coordinator of the PhD, Prof. Carlo Regazzoni (carlo.regazzoni@unige.it) and Prof. Lucio Marcenaro (lucio.marcenaro@unige.it), with the subject of the message: Interview Ph.D. XLI cycle - CURRICULUM ICE.</p> <p>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.</p>
Further information on how to present qualifications/publications	<p>The application form must contain:</p> <p>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.;</p> <p>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.</p> <p>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);</p> <p>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)</p> <p>e) a signed motivation letter containing the research project chosen and the reasons for the choice (max 10 pages)</p> <p>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.</p> <p>A possible scheme for the presentation of the research project, which must not exceed 10 pages, is the following:</p> <ul style="list-style-type: none"> - 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>

Research Themes	<ol style="list-style-type: none"> 1. Embedded machine learning for sensing systems in wearable robotic devices 2. AI-based anomaly and cyber attack detection in industrial systems 3. AI-driven Intrusion Detection Systems (IDS) for monitoring of wireless communications 4. AI-based transmitter fingerprinting for resilient satellite communications 5. Hardware acceleration for robust embedded perception and decision making 6. Optimized TinyML solutions for embedded systems 7. Applying Foundational Large Language Models (LLMs) to Enterprise Information Systems 8. Intelligent artificial skin for Human Robot Interaction 9. Novel inversion techniques for electromagnetic diagnostics 10. Machine learning and deep learning for remote sensing image analysis 11. Data-driven methods and models for integrated sensing and communication in autonomous multi-heterogeneous cognitive ego-things 12. Incrementally self-aware predictive models for detecting malicious attacks in a V2X scenario 13. Time domain signal processing for supply voltage independent sensors 14. Zero-touch orchestration of beyond 5G services and platforms 15. AI-driven Optimization of edge-cloud beyond 5G services 16. IoT over NextGeneration Networks
Information on references	<p>Candidates must choose no less than one and no more than three referees to support their candidacy. These referees must be university professors or experts in the field. The referees must 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, indicating the following text in the subject of the message: Ph.D. JD-ICE XLI cycle_CandidateName_reference letter.</p> <p>In the application for admission, candidates must indicate the name, qualification and place of employment of the referees chosen by them.</p> <p>The content of the reference letters must clearly show the candidate's aptitude for scientific research.</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>

Curriculum: SELF-AWARE AUTONOMOUS SYSTEMS (CODE 11203)

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 (*)	
(*) 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	
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 assesment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	<p>23.07.2025 at 9.30 (CEST) at the Department of Electrical, Electronic, Telecommunications Engineering and Naval Architecture (DITEN), University of Gena, Via Opera Pia 11A - 16145 Genoa, Italy or online.</p> <p>The platform used for the online interviews will be MS Teams with video mode to verify the candidate's identity, upon request via email to the Coordinator of the PhD, Prof. Carlo Regazzoni (carlo.regazzoni@unige.it) and Prof. Lucio Marcenaro (lucio.marcenaro@unige.it), with the subject of the message: Interview Ph.D. XLI cycle - CURRICULUM SAAS.</p> <p>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.</p>
Further information on how to present qualifications/publications	<p>The application form must contain:</p> <p>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.;</p> <p>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.</p> <p>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);</p> <p>d) a signed motivation letter containing the research project chosen and the reasons for the choice (max 10 pages)</p> <p>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.</p> <p>A possible scheme for the presentation of the research project, which must not exceed 10 pages, is the following:</p> <ul style="list-style-type: none"> - 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 committee will evaluate the candidate's competencies in specific research topics.</p>
Research Themes	<ol style="list-style-type: none"> 1. Embedded machine learning for sensing systems in wearable robotic devices 2. AI-based anomaly and cyber attack detection in industrial systems 3. AI-driven Intrusion Detection Systems (IDS) for monitoring of wireless communications 4. AI-based transmitter fingerprinting for resilient satellite communications

	<ol style="list-style-type: none"> 5. Hardware acceleration for robust embedded perception and decision making 6. Optimized TinyML solutions for embedded systems 7. Applying Foundational Large Language Models (LLMs) to Enterprise Information Systems 8. Intelligent artificial skin for Human Robot Interaction 9. Novel inversion techniques for electromagnetic diagnostics 10. Machine learning and deep learning for remote sensing image analysis 11. Data-driven methods and models for integrated sensing and communication in autonomous multi-heterogeneous cognitive ego-things 12. Incrementally self-aware predictive models for detecting malicious attacks in a V2X scenario 13. Time domain signal processing for supply voltage independent sensors 14. Zero-touch orchestration of beyond 5G services and platforms 15. AI-driven Optimization of edge-cloud beyond 5G services 16. IoT over NextGeneration Networks
Information on references	<p>Candidates must choose no less than one and no more than three referees to support their candidacy. These referees must be university professors or experts in the field. The referees must 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, indicating the following text in the subject of the message: Ph.D. JD-ICE XLI cycle_CandidateName_reference letter.</p> <p>In the application for admission, candidates must indicate the name, qualification and place of employment of the referees chosen by them.</p> <p>The content of the reference letters must clearly show the candidate's aptitude for scientific research.</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 Coordinator: Filipponio Lorenzo	
Department of Arts and Humanities (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; (°) 2 positions reserved for the employees of Centro di Dialettologia e di Etnografia	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	25/07/2025 – h 9.00 (CEST). Candidates will be interviewed in person, but those from abroad can participate online via the Team platform. The candidates admitted to the interviews will receive more detailed instruction about the venue and/or the platform link.
	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/ammissione by 21/07/2025 at h 18.00 (CEST) .
Further information on how to present qualifications/publications	Candidates are expected to upload their MA dissertation, together with all other required documentation, onto the application website. If this has not yet been completed, candidates should upload a file containing the title, contents and bibliography, as well as a synopsis or extract (introduction, conclusion or one significant chapter) of no more than 8,000 words. Candidates will also be required to upload their publications and their research project, including a review of the state of the art, bibliography and expected results (max. 2,500 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, Italian linguistics and dialectology. - 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 (see https://lccm.dottorato.unige.it/ammissione) - Derivative morphology in the Swiss Italian dialects. - Helvetism: the history of a concept and the history of words. (projects linked to 2 doctoral positions within the industrial Ph.D. partnership with Centro di Dialettologia e di Etnografia).
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 gabriele.rigola@unige.it , by the deadline of the call.
Foreign Languages	During the interview candidates will be asked to translate a passage of critical literature (in either English or French) relating to one of the above-listed research themes. Applicants whose first language is not Italian should also demonstrate an adequate level of Italian.

Course: MODERN AND CLASSICAL LITERATURES AND CULTURES**Curriculum: MODERN LITERATURES (CODE 11205)**

Course Coordinator: Filipponio Lorenzo	
Department of Arts and Humanities (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	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	29/07/2025 – h 09.00 (CEST) remotely via MS Teams; more specific instructions will be sent to all interviewees.
	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 23/07/2025 at h 13.00 (CEST) .
Further information on how to present qualifications/publications	Candidates are expected to upload their MA dissertation, together with all other required documentation, onto the application website. If this has not yet been completed, candidates should upload a file containing the title, contents and bibliography, as well as a synopsis or extract (introduction, conclusion or one significant chapter) of no more than 8,000 words. Candidates will also be required to upload their publications and their research project, including a review of the state of the art, bibliography and expected results (max. 2,500 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.

Course: MODERN AND CLASSICAL LITERATURES AND CULTURES

Curriculum: ANCIENT STUDIES: ARCHAEOLOGY, PHILOLOGY, HISTORY (CODE 11206)

Course Coordinator: Filipponio Lorenzo	
Department of Arts and Humanities (Dipartimento di Italianistica, Romanistica, Antichistica, Arti e Spettacolo – DIRAAS)	
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 € 16.500	
(°) 1 position reserved for “Amabili Giordana” employee.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	24/07/2025 – h. 09.00 (CEST) The interview will be held on TEAMS remote platform. Instructions will be sent to all interviewees.
	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 21/07/2025 at h 13.00 (CEST) .
Further information on how to present qualifications/publications	Candidates are expected to upload their MA dissertation and a short abstract (max. 800 words), together with all other required documentation, onto the application website. If this has not yet been completed, candidates should upload a file containing the title, contents and bibliography, as well as a synopsis or extract (introduction, conclusion or one significant chapter) of no more than 8,000 words. Candidates will also be required to upload their publications and their research project, including a review of the state of the art, bibliography and expected results (max. 2,500 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 . - The <i>Artorii</i> from Rome. A prosopographic, epigraphic and historic inquiry (project linked to 1 doctoral position within the industrial Ph.D. partnership with “Amabili Giordana”).
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. Francesca Gazzano: referente.antichistica1@gmail.com by the deadline of the call.
Foreign Languages	All candidates are required to have a good working knowledge of a modern foreign language (choice of English, French, Spanish or German). During the interview, candidates will be asked to translate a passage from specialist publications. Applicants whose first language is not Italian should also demonstrate an adequate level of Italian.

Course Coordinator: Bettin Sandro	
Department of Mathematics (Dipartimento di Matematica – DIMA)	
Places: 9 (°) Grants: 7 (*)	
(*) 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 € 16.500. (*) 1 grant cofunded by MUR/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. (*) 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. (°) 2 positions for graduates holding a grant from abroad	
Comparative assesment procedure	QUALIFICATIONS AND INTERVIEW
Interview	29.07.2025 - 9:00 am (Italian time) Interviews may continue on 30.07.2025. All interviews will be held either in person or via Microsoft Teams (or an equivalent platform). In due course, candidates will be contacted by the evaluation committee.
Further information on how to present qualifications/publications	In addition to the documentation required by the call, applicants must submit (to be uploaded online) their Master's thesis, if available. Furthermore: - the curriculum vitae must include the exam grades from both the Bachelor's and Master's degrees; - the research project, with a maximum length of 2 pages, should include a description of the general area of interest in which the applicant intends to carry out their PhD studies and, if possible, suggest some ideas or potential research objectives. The relevance of the proposed topic to the research areas listed in the call will also be considered during evaluation. It is advisable to mention one or more members of DIMA with whom the applicant would like to collaborate. Finally, applicants who intend to apply as “graduates holding a grant from abroad” (i.e., recipients of a scholarship funded by a foreign state) must indicate this in their research project and upload a declaration issued by the foreign funding institution confirming that the scholarship has been awarded to the applicant.
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	<ul style="list-style-type: none"> • algebraic and complex geometry • algebraic number theory and arithmetic geometry • analytic, ergodic and probabilistic number theory • commutative algebra, computer algebra and cryptography • geometrical methods in physical theories • harmonic and functional analysis • inverse problems • machine learning and optimization • mathematics education • mathematical logic and category theory • mathematical aspects of quantum mechanics and algebraic quantum field theory • noncommutative derived geometry and mathematical physics • numerical analysis and computational methods with applications in medical imaging, neurosciences and astrophysics • partial differential equations, calculus of variations and optimal transport • quantum probability and mathematical statistics
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 e-mail address: dottorato.matematica@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. Sandro Bettin Dipartimento di Matematica, Università di Genova via Dodecaneso 35 16146 Genova GE E-mail: sandro.bettin@unige.it

Course Coordinator: Bettin Sandro	
Department of Mathematics (Dipartimento di Matematica – DIMA)	
Places: 1 (°) – Grants: 0	
(°) 1 position reserved for an international mobility programme HORIZON-MSCA-2023-DN-01 - ASG Superconductors SpA	
Comparative assessment procedure	QUALIFICATIONS AND INTERVIEW
Interview	25.7.2025 - 9:00 am (Italian time) All interviews will be held either in person or via Microsoft Teams (or an equivalent platform). In due course, candidates will be contacted by the evaluation committee.
Further information on how to present qualifications/publications	In addition to the documentation required by the call, applicants must submit (to be uploaded online) their Master's thesis, if available. Furthermore: - the curriculum vitae must include the exam grades from both the Bachelor's and Master's degrees; - a research project (2 pages max.) which describes the research theme they intend to work on during the Doctoral Course. Consistency with the research topics indicated in this call will also be evaluated. Finally, applicants who intend to apply as “graduates holding a grant from ASG superconductors” must indicate this in their research project and upload a declaration issued by ASG superconductors confirming that the scholarship has been awarded to the applicant.
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	Research theme n. 1 - UPright radiotherapy: Learning, Innovation, Fellowship and Training (UPLIFT). Abstract - The research project aims to study the development of radiotherapy systems in an upright position. In particular, ASG's work package concerns the problems of image reconstruction for the open magnetic resonance system that is used to target the instrument. Since the system is open, due to technical issues, the inhomogeneities of the internal magnetic field become significant and the images are strongly distorted. It is therefore necessary to use inverse problem methods to address these distortions. The project involves studying the mathematics of these problems and formulating image reconstruction algorithms to reduce these inhomogeneities.
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 e-mail address: dottorato.matematica@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. Sandro Bettin Dipartimento di Matematica, Università di Genova via Dodecaneso 35 16146 Genova GE E-mail: sandro.bettin@unige.it

[1] Curriculum added after the publication of the Notice of competition (D.R. 2409 dated 6.06.2025)

Course: MATHEMATICS AND APPLICATIONS

Curriculum: MATHEMATICAL METHODS FOR DATA ANALYSIS (CODE 11209)

Course Coordinator: Bettin Sandro
Department of Mathematics (Dipartimento di Matematica – DIMA)
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 Rulex Innovation Labs

S.r.l., 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: Optimization and Deep Learning for the Analysis of Directed Graphs: Applications to Precision Medicine.	
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	25.7.2025 - 9:00 am (Italian time) All interviews will be held either in person or via Microsoft Teams (or an equivalent platform). In due course, candidates will be contacted by the evaluation committee.
Further information on how to present qualifications/publications	In addition to the documentation required by the call, applicants must submit (to be uploaded online) their Master's thesis, if available. Furthermore: - the curriculum vitae must include the exam grades from both the Bachelor's and Master's degrees; - a research project (2 pages max.) which describes the research theme they intend to work on during the Doctoral Course. Consistency with the research topics indicated in this call will also be evaluated.
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	Research theme n. 1 - Optimization and Deep Learning for the Analysis of Directed Graphs: Applications to Precision Medicine. Abstract - The research project involves the development of methods for the analysis and optimization of directed graphs, using an integrated approach that combines combinatorial optimization techniques, graph-based deep learning, and explainable artificial intelligence models, with the goal of addressing complex decision-making problems in fields such as precision medicine.
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 e-mail address: dottorato.matematica@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: 0

Course: TRANSLATIONAL AND CLINICAL INTERNAL MEDICINE**Curriculum: TRANSLATIONAL HAEMATOLOGY (CODE 11210)**

Course Coordinator: Ameri Pietro	
Department of Internal Medicine and Medical Specialities (Dipartimento di Medicina Interna e Specialità Mediche – DIMI)	
Places: 1 – Scholarship: 1 (*)	
(*) 1 scholarship funded by Università degli Studi di Genova; the annual gross amount, including social security expenses to be paid by the recipient, is € 16.500	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	The interview will be held only in presence, on 23.07.2025 at 9.00 AM Rome time
Further information on how to present qualifications/publications	<p>QUALIFICATIONS/PUBLICATIONS</p> <p>A cover letter is mandatory, maximum two pages:</p> <ul style="list-style-type: none">- one page presenting a research project on the research topics listed below, to be developed during the PhD program- one page describing the motivations, expectations, and goals for the PhD program <p>INTERVIEW</p> <p>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.</p> <p>Note that reference letters do not confer any advantage or additional points during the evaluation process.</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 Coordinator: Ameri Pietro	
Department of Internal Medicine and Medical Specialities (Dipartimento di Medicina Interna e Specialità Mediche – DIMI)	
Places: 2 – Scholarships 2 (*)	
(*) 2 scholarships funded by Università degli Studi di Genova; the annual gross amount, including social security expenses to be paid by the recipient, is € 16.500	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	The interview will be held only in presence, on 23.07.2025 at 9.00 AM Rome time
Further information on how to present qualifications/publications	<p>QUALIFICATIONS/PUBLICATIONS A cover letter is mandatory, maximum two pages: - one page presenting a research project on the research topics listed below, to be developed during the PhD program - one page describing the motivations, expectations, and goals for the PhD program</p> <p>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.</p> <p>Note that reference letters do not confer any advantage or additional points during the evaluation process.</p>
Foreign language	English
For further information	<p>Please contact:</p> <p>Prof. Diego Ferone, email: ferone@unige.it Prof. Davide Maggi, email: davide.maggi@unige.it Prof. Mara Boschetti, email: mara.boschetti@unige.it Prof. Manuela Albertelli, email: manuela.albertelli@unige.it</p>

Course Coordinator: Ameri Pietro	
Department of Internal Medicine and Medical Specialities (Dipartimento di Medicina Interna e Specialità Mediche – DIMI)	
Places: 2 – Scholarships: 1 (*)	
(*) 1 scholarship funded by Università degli Studi di Genova; the annual gross amount, including social security expenses to be paid by the recipient, is € 16.500	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	The interview will be held only in presence, on 23.07.2025 at 9.00 AM Rome time
Further information on how to present qualifications/publications	<p>QUALIFICATIONS/PUBLICATIONS A cover letter is mandatory, maximum two pages: - one page presenting a research project on the research topics listed below, to be developed during the PhD program - one page describing the motivations, expectations, and goals for the PhD program</p> <p>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	- Hemodynamic and metabolic mechanisms involved in the development of renal and extra-renal organ damage - Cardiovascular and renal risk factors in hypertension, diabetic nephropathy, glomerulonephritis and kidney transplantation. - Atherosclerosis, diabetic nephropathy, chronic kidney disease: role of innate and acquired immune system. - Thrombosis and anticoagulation in atrial fibrillation and acute coronary syndromes. - Role of inflammatory mediators in ischemic heart disease, in ischemic stroke, in metabolic and kidney diseases and their complications.
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. Fabrizio Montecucco, email: fabrizio.montecucco@unige.it or Prof. Francesca Chiara Viazzi, email: francesca.viazzi@unige.it Note that reference letters do not confer any advantage or additional points during the evaluation process.
Foreign language	English
For further information	Please contact: Prof. Francesca Chiara Viazzi, email: francesca.viazzi@unige.it Prof. Fabrizio Montecucco, email: fabrizio.montecucco@unige.it

Curriculum DISEASES OF THE CARDIOVASCULAR AND RESPIRATORY SYSTEMS (CODE 11213)

Course Coordinator: Ameri Pietro	
Department of Internal Medicine and Medical Specialities (Dipartimento di Medicina Interna e Specialità Mediche – DIMI)	
Places: 2 – Scholarships: 2 (*)	
(*) 2 scholarships funded by Università degli Studi di Genova; the annual gross amount, including social security expenses to be paid by the recipient, is € 16.500	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	The interview will be held only in presence, on 23.07.2025 at 9.00 AM Rome time
Further information on how to present qualifications/publications	<p>QUALIFICATIONS/PUBLICATIONS A cover letter is mandatory, maximum two pages: - one page presenting a research project on the research topics listed below, to be developed during the PhD program - one page describing the motivations, expectations, and goals for the PhD program</p> <p>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	Cardiovascular and respiratory diseases, with special attention to: <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	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 . Note that reference letters do not confer any advantage or additional points during the evaluation process.
Foreign language	English
For further information	Please contact: Prof. Pietro Ameri, email: pietroameri@unige.it Prof. Italo Porto, email: italo.porto@unige.it Prof. Giovanni Passalacqua, email: passalacqua@unige.it

Course Coordinator: Ameri Pietro	
Department of Internal Medicine and Medical Specialities (Dipartimento di Medicina Interna e Specialità Mediche – DIMI)	
Places: 1 – Scholarships: 1 (*)	
(*) 1 scholarship funded by Università degli Studi di Genova; the annual gross amount, including social security expenses to be paid by the recipient, is € 16.500	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	The interview will be held only in presence, on 23.07.2025 at 9.00 AM Rome time
Further information on how to present qualifications/publications	<p>QUALIFICATIONS/PUBLICATIONS A cover letter is mandatory, maximum two pages: - one page presenting a research project on the research topics listed below, to be developed during the PhD program - one page describing the motivations, expectations, and goals for the PhD program</p> <p>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 transmissible 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. Note that reference letters do not confer any advantage or additional points during the evaluation process.</p>
Foreign language	English
For further information	<p>Please contact: Prof. Alessio Nencioni, email: alessio.nencioni@unige.it Prof. Fiammetta Monacelli, email: fiammetta.monacelli@unige.it Prof. Livia Pisciotto, email: livia.pisciotta@unige.it</p>

Course Coordinator: Ameri Pietro	
Department of Internal Medicine and Medical Specialities (Dipartimento di Medicina Interna e Specialità Mediche – DIMI)	
Places: 1 – Scholarship: 0	
Comparative assesment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	The interview will be held only in presence, on 23.07.2025 at 9.00 AM Rome time
Further information on how to present qualifications/publications	<p>QUALIFICATIONS/PUBLICATIONS A cover letter is mandatory, maximum two pages: - one page presenting a research project on the research topics listed below, to be developed during the PhD program - one page describing the motivations, expectations, and goals for the PhD program</p> <p>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 antitublastic 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.</p> <p>Note that reference letters do not confer any advantage or additional points during the evaluation process.</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>

Course: EXPERIMENTAL MEDICINE**Curriculum: BIOCHEMISTRY (CODE 11216)**

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 scholarship, gross of social security contributions to be paid by the recipient, is €16.500	
(*) 1 grant cofunded by MUR/Department (DIMES); 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	23.07.2025 – 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
Additional information on submitting titles	In evaluating the titles, only publications indexed and associated with a Scopus ID, Web of Science ID or ORCID (registered in the respective databases) will be considered to unambiguously monitor the contributions of a specific Author registered for the call.
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">• Role of the coenzyme Nicotinamide Adenine Dinucleotide (NAD) and of NAD-related enzymes during aging and in different pathologies• Towards personalized medicine using multi-omics technologies for the identification of new diagnostic and prognostic disease biomarkers• Design and synthesis of novel modulators of receptors/enzymes target, their pharmacological characterization and evaluation of therapeutic efficacy in relevant cell models
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

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 grant, gross of social security expenses to be paid by the recipient, is € 16.500.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	<p>29.07.2025 – h 10:00 CEST</p> <p>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.</p>
Additional information on submitting titles	In evaluating the titles, only publications indexed and associated with a Scopus ID, Web of Science ID or ORCID (registered in the respective databases) will be considered to unambiguously monitor the contributions of a specific Author registered for the call.
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"> • Molecular mechanisms involved in communication between neurons and astrocytes: focus on receptor heteromers. • Behavioral analyses on animal models of neurodegenerative diseases. • Preclinical studies through in vivo and in vitro models of neurodegenerative diseases with particular focus on amyotrophic lateral sclerosis.
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. Marco Milanese, marco.milanese@unige.it</p> <p>The personal details (name/surname, qualification, institution) of the reference persons chosen must be reported by the candidate in the application form.</p>
Foreign Languages	English
Further Information	<p>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</p>

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	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	24.07.2025 - h 10:00 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.
Additional information on submitting titles	In evaluating the titles, only publications indexed and associated with a Scopus ID, Web of Science ID or ORCID (registered in the respective databases) will be considered to unambiguously monitor the contributions of a specific Author registered for the call.
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"> • NRF2/HO-1 involvement in tumor resistance to therapies and immune escape. • Study of the molecular mechanisms underlying neurodegeneration, with a particular focus on the processes involved in the pathogenesis of Alzheimer's disease and glaucoma.
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 11219)

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: 4 (°) – 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. (°) 1 position reserved for IRCCS Policlinico San Martino employee	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	25/07/2025 h. 9:00 (CEST) The interview will take place in person in Clinica Neurologica, DINOEMI, 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.
Information on references	Candidates should provide at least 1 and no more than 3 letters of recommendation in support of their application. Letters should be provided by University Professors or Experts in Neuroscience. Letters should be sent by the closing date of the call 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: eleonora.eugenia.broggi@unige.it (PhD Secretary Office) Name and address of the scientists requested to send a recommendation letter should be clearly indicated in the admission request.
Foreign Languages	English

Further Information	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: eleonoraecugenia.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: CLINICAL AND EXPERIMENTAL NEUROSCIENCES (CODE 11220)

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: 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 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 € 16.500 Research project: <i>"Electrophysiological characterization of neural activity in murine models and organoids to investigate the mechanisms underlying neurodegenerative processes"</i> .	
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	25/07/2025 h. 9:00 (CEST) The interview will take place in person: Clinica Neurologica, DINOGMI, Largo P. Daneo 3, Genova
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 study will focus on identifying alterations in neural and synaptic activity in various mouse models of neurodegenerative diseases. It is well known that several neurodegenerative conditions are associated with changes in synaptic neural activity, which correlate with both cognitive and behavioral deficits—for example, memory impairment in Alzheimer's disease, motor deficits in Parkinson's disease, and visual impairment in retinal neurodegeneration.
Information on references	Applicants must submit from one to three letters of recommendation to support their application, by the closing date of the call, which have to be sent to: Prof. Tullio Florio: tullio.florio@unige.it and to: Dott.ssa Eleonora Broggi: eleonoraecugenia.broggi@unige.it (PhD Secretay Office)
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 Policlinico San Martino fields. Months to be spent abroad: none / 0 Month to be spend in Irccs Policlinico San Martino:12</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: eleonora.eugenia.broggi@unige.it (PhD Secretary Office)</p>
----------------------------	--

Coordinator: Nobili Lino	
Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili (DINOEMI)	
Places: 9 – Grants: 9 (*)	
(*) 6 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 € 18.500	
(*) 3 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 € 19.500	
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>IIT provides a description of research themes at www.iit.it/phd</p> <p>1) <i>Role of synaptic and dendritic RNA methylation in epilepsy</i> (€ 19.500) Tutor: Andrea Barberis andrea.barberis@iit.it</p> <p>2) <i>Omics approaches to understand responses to stress on brain functions</i> (€ 18.500) Project in collaboration with Dr. Andrea Petretto at the Istituto Giannina Gaslini. Tutor: Laura Cancedda laura.cancedda@iit.it Scholarship funded with resources from the 'CriticTra' project allocated by the Ministry of University and Research through the 'Italian Science Fund' - FIS2", CUP J53C24004200001</p> <p>3) <i>Mathematical approaches to understand responses to stress on brain functions</i> (€ 18.500) Tutor: Laura Cancedda laura.cancedda@iit.it Scholarship funded with resources from the 'CriticTra' project allocated by the Ministry of University and Research through the 'Italian Science Fund' – FIS2", CUP J53C24004200001</p> <p>4) <i>Cell/molecular biology approaches, electrophysiological/Ca²⁺ imaging recordings and behavioral experiments to understand responses to stress on brain functions</i> (€ 18.500) Tutor: Laura Cancedda laura.cancedda@iit.it Scholarship funded with resources from the 'CriticTra' project allocated by the Ministry of University and Research through the 'Italian Science Fund' – FIS2", CUP J53C24004200001</p> <p>5) <i>Cell/molecular biology approaches, electrophysiological/Ca²⁺ imaging recordings and behavioral experiments to understand responses to stress on brain functions</i> (€ 18.500) Tutor: Laura Cancedda laura.cancedda@iit.it Scholarship funded with resources from the 'CriticTra' project allocated by the Ministry of University and Research through the 'Italian Science Fund' – FIS2", CUP J53C24004200001</p> <p>6) <i>Pharmacological treatment of the newly identified CTNNA1 syndrome</i> (€ 18.500)</p>

	<p>Tutor: Valter Tucci valter.tucci@iit.it</p> <p>7) <i>Phototherapy for brain tumor by genetic targeting and bio-chemical sensing</i> (€ 18.500) Tutor: Elisabetta Colombo and Fabio Benfenati elisabetta.colombo@iit.it fabio.benfenati@iit.it</p> <p>8) <i>Cellular mechanisms underlying the processing of sensory- and navigation-related information</i> (€ 19.500) Tutor: Tommaso Fellin tommaso.fellin@iit.it</p> <p>9) <i>Sensory Processing and Computation</i> (€ 19.500) Tutor: Peter Neri peter.neri@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

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 11222)

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: 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 funded by Università degli Studi di Genova and DINOGMI Department in collaboration with Fondazione David Chiossone, 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	29/07/2025 h. 9:30 (CEST) IN PRESENCE - Human Physiology – DIMES 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. (*) FOR GRANT MUR/DINOGMI in collaboration with FONDAZIONE DAVID CHIOSSONE: Referent: Professor Angelo Schenone and Professor Piero Ruggeri RESEARCH PROJECT: "Prevention and management of neurosensory and cognitive pathologies in the population over 65 living in rural areas: development and evaluation of an integrated model of screening, early diagnosis and rehabilitation in small rural municipalities in the Ligurian region and beyond" <i>*The grant is reserved for graduates in LM-67 "Sciences and Techniques of Preventive and Adapted Motor Activities"</i>
Information on references	Applicants must submit from one to three letters of recommendations to support their application, by the closing date of the call, which must be sent to: Prof. Piero Ruggeri, e-mail: Piero.Ruggeri@unige.it [1] and to Dr. Eleonora Broggi: e-mail: eleonora.eugenia.broggi@unige.it (PhD Secretary Office)
Foreign Languages	English

Further Information	<p>Further information can be requested to the coordinator of the “Motory and Sport Activities Science Curriculum”</p> <p>Prof. Piero Ruggeri, e-mail: Piero.Ruggeri@unige.it [1] and to Dott.ssa Eleonora Broggi: e-mail: eleonoraecugenia.broggi@unige.it (PhD Secretary Office)</p>
----------------------------	--

[1] Information updated after the publication of the Notice of competition (D.R. 2409 dated 6.06.2025)

Course: PLANNING AND DECISION METHODS
(CODE 11223)

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; (*) 1 grant co-funded by MUR and by Arkytec 360, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	23-07-2025, 9.30 a.m.(CEST) 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 Teams connection, video included to check identity; interested persons shall send a motivated request to join online to the Coordinator not later than 18 July 2025 noon.
Further information on how to present qualifications/publications	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), with a clear indication of the title of the final presentation, 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, Originality, Method of execution, Feasibility, Clarity. The presentation of the research project, which should not exceed 5 pages, should identify the logical and methodological approach, research objectives and a preliminary assessment of the state of the art. Project and Innovation Management methodologies are recommended for the development of this project.
Exam Syllabus	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 take place in English and the Italian language will be verified.
Research Themes	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 modelling, 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. Exclusively for the grant funded by DIEC within the research project “Project Management, Integrated predictive maintenance framework and strategic assessment for civil, naval and other infrastructures”. It is required to develop a scalable and generalisable framework that combines state-of-the-art supervised and unsupervised machine learning technologies, deep neural networks, Bayesian models and generative AI for the prediction of Remaining Useful Life (RUL), predictive maintenance assessment and the synthesis of degradation scenarios. The system will be conceived as a living tool to support the design, construction and operation phases of the work, understood in the extended sense as inspection, maintenance and risk assessment, throughout the entire life cycle.

	<p>An important role is that of the strategic/managerial level, which translates into the inclusion of specific indicators and models - e.g. cost/benefit analysis, SWOT, Balanced Scorecard and VaR - that allow the economic and organisational effectiveness of interventions to be framed.</p> <p>For more detailed information see the following web address: https://pladem.phd.unige.it/home/</p>
Information on references	<p>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. Reference letters shall be uploaded with the application. 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.</p>
Foreign Languages	<p>English</p>
Further Information	<p>During the three-year period doctoral students will have to spend at least 6 months (possibly divided into 2 periods of 3 months each) at a foreign research centre or University to carry out in-depth activities in their respective fields of research.</p>

Course: ROBOTICS AND INTELLIGENT MACHINES – Italian national doctorate

Dottorato di “interesse nazionale” in convenzione Università degli Studi di BRESCIA, Università degli Studi di Cagliari, Università degli Studi della Campania “Luigi Vanvitelli”, Università Campus Bio-Medico di Roma, Università degli Studi di CATANIA, Università degli Studi di NAPOLI Federico II, Università degli Studi di PALERMO, Politecnico di BARI, Scuola Superiore Sant’Anna, Istituto Italiano di Tecnologia (IIT), Fondazione centro di ricerca italiano per l’automotive (AI4I) e Consiglio Nazionale delle Ricerche (CNR)

Curriculum: AUTONOMOUS SYSTEMS (CODE 11224)

Coordinator: Sgorbissa Antonio	
Department of IT, Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi – DIBRIS)	
Places: 5 – Grants: 5 (*) [1]	
<p>(*) Research Topic n. 1, 1 grant funded by the University of Brescia, the annual amount of the grant, gross of social security contributions payable by the recipient, is € 16.500.</p> <p>(*) Research Topic n. 2, 1 grant funded by the Polytechnic University of Bari, Project ROBOFLUID - Robotic Fluids for artificial muscles, wearable cooling, and active textiles” Project number 101116856 (ERC-2023-STG) CUP D93C23001240006, the annual amount of the scholarship, gross of social security contributions payable by the recipient, is € 19.500</p> <p>(*) Research Topic n. 3 and n. 4, 2 grants funded by the Polytechnic University of Bari, the annual amount of the scholarship, gross of social security contributions payable by the recipient, is € 18.500 [1]</p> <p>(*) Research Topic n. 5, 1 grant funded by the University of Cagliari, the annual amount of the grant, gross of social security contributions payable by the recipient, is € 16.500. [1]</p>	
Comparative assessment procedure	<p>QUALIFICATIONS/PUBLICATIONS AND INTERVIEW</p> <p>24.07.2025 at 9.30 (CEST)</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);

	<ul style="list-style-type: none"> – 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. MACHINE-LEARNING BASED CONTROL OF ROBOTICS AND PROCESS SYSTEMS – UNIVERSITY OF BRESCIA 2. WEARABLE SOFT ROBOTICS DRIVEN BY ELECTROFLUIDIC MUSCLES – POLYTECHNIC UNIVERSITY OF BARI 3. COORDINATION AND CONTROL TECHNIQUES FOR HETEROGENEOUS MULTI-AGENT SYSTEMS – POLYTECHNIC UNIVERSITY OF BARI [1] 4. ARTIFICIAL INTELLIGENCE FOR DISEASE PREDICTION, PREVENTION, AND MANAGEMENT – POLYTECHNIC UNIVERSITY OF BARI [1] 5. HIGHER-ORDER ESTIMATION-BASED PROPERTIES FOR THE SECURITY OF DISCRETE EVENT SYSTEMS UNDER ATTACK - UNIVERSITY OF CAGLIARI [1] <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://bit.ly/DRIM_25_26</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: Instructions for submitting Phd application</p>

[1] Positions with grant added after the publication of the Notice of competition (D.R. 2409 dated 6.06.2025)

Course: ROBOTICS AND INTELLIGENT MACHINES – Italian national doctorate

Dottorato di “interesse nazionale” in convenzione Università degli Studi di BRESCIA, Università degli Studi di Cagliari, Università degli Studi della Campania “Luigi Vanvitelli”, Università Campus Bio-Medico di Roma, Università degli Studi di CATANIA, Università degli Studi di NAPOLI Federico II, Università degli Studi di PALERMO, Politecnico di BARI, Scuola Superiore Sant’Anna, Istituto Italiano di Tecnologia (IIT), Fondazione centro di ricerca italiano per l’automotive (AI4I) e Consiglio Nazionale delle Ricerche (CNR)

Curriculum: HEALTHCARE AND WELLNESS OF PERSONS (CODE 11225)

Coordinator: Sgorbissa Antonio Department of IT, Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi – DIBRIS)	
Places 6 – Grants: 6 (*) [1] (*) Research Topics n. 1 , 1 grant co-funded by University of Genova and by the DIBRIS Department, ARIA project, Proposal number: 24AARG-NTF-1200708, of which the annual amount of the scholarship, g gross of social security contributions payable by the recipient, is € 19.500 . (*) Research Topic n. 2 , 1 grant funded by University of Genova, the annual amount of the grant, gross of social security contributions payable by the recipient, is € 17.500 . (*) Research Topic n. 3 , 1 grant funded by the Italian Institute of Technology (IIT), the annual amount of the scholarship, gross of social security contributions payable by the recipient, is € 19.500 (*) Research Topics n. 4 , 1 grant funded by the University of Palermo, the annual amount of the scholarship, g gross of social security contributions payable by the recipient, is € 16.500 . (*) Research Topic n. 5 , 1 grant funded entirely by the University of Naples Federico II the annual amount of the scholarship, gross of social security contributions payable by the recipient, is € 16.500 . (*) Research Topic n. 6 , 1 grant funded by the Campus Bio-Medico University of Roma, INAIL PR23-RR-P3 BioARMnext project: Esoscheletro portatile per la riabilitazione e l’assistenza del paziente plesso-leso: follow-up CUP: E57G23000260005, the annual amount of the scholarship, gross of social security contributions payable by the recipient, is € 17.500. [1]	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW 25.07.2025 at 09.30 (CEST) 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 of 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 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. The oral examination for each research Topic is passed if the score is greater than or equal to 40 points. The final score is the sum of the scores in Step 1 and Step 2 (for each research Topic the candidate applied to).
Further information on how to present qualifications/publications	Candidates <u>must</u> :

	<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. COMPANIONS WITH PURPOSE: EMOTIONALLY INTELLIGENT ROBOTS FOR LONG-TERM ALZHEIMER'S CARE – UNIVERSITY OF GENOVA 2. PREOPERATIVE SURGERY WITH PATIENT-SPECIFIC 3D MODELS – UNIVERSITY OF GENOVA 3. SOFT ROBOTICS FOR HUMAN REHABILITATION – ITALIAN INSTITUTE OF TECHNOLOGY 4. SOCIAL ROBOT ASSISTANT FOR INTELLIGENT HEALTH CARE – UNIVERSITY OF PALERMO 5. PERSONALIZED AND PROACTIVE BEHAVIORS FOR SOCIALLY AWARE ROBOTS – UNIVERSITY OF NAPOLI FEDERICO II 6. UPPER LIMB SOFT WEARABLE ROBOTICS – UNIVERSITY CAMPUS BIO-MEDICO OF ROME [1] <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://bit.ly/DRIM_25_26
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: Instructions for submitting Phd application</p>

[1] Position with grant added after the publication of the Notice of competition (D.R. 2409 dated 6.06.2025)

Course: ROBOTICS AND INTELLIGENT MACHINES – Italian national doctorate

Dottorato di “interesse nazionale” in convenzione Università degli Studi di BRESCIA, Università degli Studi di Cagliari, Università degli Studi della Campania “Luigi Vanvitelli”, Università Campus Bio-Medico di Roma, Università degli Studi di CATANIA, Università degli Studi di NAPOLI Federico II, Università degli Studi di PALERMO, Politecnico di BARI, Scuola Superiore Sant’Anna, Istituto Italiano di Tecnologia (IIT), Fondazione centro di ricerca italiano per l’automotive (AI4I) e Consiglio Nazionale delle Ricerche (CNR)

Curriculum: HOSTILE AND UNSTRUCTURED ENVIRONMENTS (CODE 11226)

Coordinator: Sgorbissa Antonio Department of IT, Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi – DIBRIS)	
Places: 10 – Grants: 10 (*)	
(*) Research Topics n. 1 , 1 grant funded by University of Genova, the annual amount of the scholarship, gross of social security contributions payable by the recipient, is € 19.500 .	
(*) Research Topics n. 2 , 1 grant funded by the DIBRIS Department (Project INTERREG IF Marittimo00226 FABBISOGNI E SOLUZIONI PER L'INTEGRAZIONE DELLE COMPETENZE SUBACQUEE - FABIS, CUP: D33C24001540007. For an accountable amount of €25,000), the annual amount of the scholarship, gross of social security contributions payable by the recipient, is € 19.500 .	
(*) Research Topic n. 3 , 3 grants funded by the Italian Institute of Technology, the annual amount of the scholarship, gross of social security contributions payable by the recipient, is of € 19.500 .	
(*) Research Topic n. 4 , 2 grants funded by the Italian Institute of Technology (Flexcycle EU Project), the annual amount of the scholarship, gross of social security contributions payable by the recipient, is € 19.500 .	
(*) Research Topic n. 5 1 grant funded by the Italian Institute of Technology (EU Project MAGICIAN – GA 101120731 e CUP J53C2300218006), the annual amount of the scholarship, gross of social security contributions payable by the recipient, is of € 19.500 .	
(*) Research Topic n. 6 and n. 7 2 grants funded by the Italian Institute of Technology, the annual amount of the scholarship, gross of social security contributions payable by the recipient, is of € 19.500 .	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW 24.07.2025 at 09:30 (CEST) 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 of 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 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. The oral examination for each research Topic is passed if the score is greater than or equal to 40 points. The final score is the sum of the scores in Step 1 and Step 2 (for each research Topic the candidate applied to).
Further information on how to present qualifications/publications	Candidates must :

	<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. SCENE REPRESENTATION AND PLANNING IN HYBRID ROBOTIC SYSTEMS USING LARGE LANGUAGE MODELS (LLMS) AND VISUAL LANGUAGE MODELS (VLMS) – UNIVERSITY OF GENOVA 2. ADVANCED NAVIGATION AND GUIDANCE SYSTEMS FOR AUTONOMOUS MARINE ROBOTS – UNIVERSITY OF GENOVA 3. LEARNING ADAPTIVE ROBOTIC BEHAVIOR IN UNSTRUCTURED ENVIRONMENTS – ITALIAN INSTITUTE OF TECHNOLOGY (n. 3 positions) 4. SOFT ROBOTICS FOR HUMAN COOPERATION – ITALIAN INSTITUTE OF TECHNOLOGY (n. 2 positions) 5. AUTONOMOUS MOBILITY AND INTERACTION FOR MOBILE ROBOTS IN DYNAMIC UNSTRUCTURED ENVIRONMENTS – ITALIAN INSTITUTE OF TECHNOLOGY 6. LEARNING-BASED MANIPULATION SKILLS FOR AGRICULTURAL ROBOTICS – ITALIAN INSTITUTE OF TECHNOLOGY 7. QUADRUPED ROBOT CONTROL FOR ENVIRONMENTAL SUSTAINABILITY USING MACHINE LEARNING – ITALIAN INSTITUTE OF TECHNOLOGY <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://bit.ly/DRIM_25_26</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: Instructions for submitting Phd application</p>

Course: ROBOTICS AND INTELLIGENT MACHINES – Italian national doctorate

Dottorato di “interesse nazionale” in convenzione Università degli Studi di BRESCIA, Università degli Studi di Cagliari, Università degli Studi della Campania “Luigi Vanvitelli”, Università Campus Bio-Medico di Roma, Università degli Studi di CATANIA, Università degli Studi di NAPOLI Federico II, Università degli Studi di PALERMO, Politecnico di BARI, Scuola Superiore Sant’Anna, Istituto Italiano di Tecnologia (IIT), Fondazione centro di ricerca italiano per l’automotive (AI4I) e Consiglio Nazionale delle Ricerche (CNR)

Curriculum: INDUSTRY 4.0 (CODE 11227)

Coordinator: Sgorbissa Antonio Department of IT, Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi – DIBRIS)	
Places: 9 – Grants: 9 (*) [1]	
(*) Research topic n. 1, and n. 2 , 2 grants funded by University of Genova, the annual amount of the scholarship, gross of social security contributions payable by the recipient, is € 19.500 .	
(*) Research topic n. 3 1 grant funded by the DIBRIS Department (Project PRIN 2022 CONCERTO – A COgNitive arChitecture for sEamless human-Robot inTeractiOn Codice 2022PAK3YF CUP: D53C24003700006), the annual amount of the scholarship, gross of social security contributions to be paid by the recipient, is € 19.500 .	
(*) Research topic n. 4 and n. 5 , 2 grants funded by the Italian Institute of Technology (IIT), the annual amount of the scholarship, gross of social security contributions payable by the recipient, is € 19.500 .	
(*) Research topic n. 6 , 1 grant funded by the University of Catania, the annual amount of the scholarship, gross of social security contributions payable by the recipient, is € 19.500 .	
(*) Research topic n. 7 , 1 grant funded by Leonardo S.p.A., the annual amount of the scholarship, gross of social security contributions payable by the recipient, is € 18.500 .	
(*) Research topic no. 8 , 1 grant funded by Rina S.p.A., the annual amount of the scholarship, gross of social security contributions payable by the recipient, is € 17.500 .	
(*) Research topic no. 10 , 1 grant funded by University of Campania “Luigi Vanvitelli”, the annual amount of the scholarship, gross of social security contributions payable by the recipient, is € 16.500 [1]	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW 22.07.2025 at 09.30 (CEST) 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 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. The oral examination for each research Topic is passed if the score is greater than or equal to 40 points. The final score is the sum of the scores in Step 1 and Step 2 (for each research Topic the candidate applied to).

Further information on how to present qualifications/publications	<p>Candidates <u>must</u>:</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. DUAL ARM MANIPULATION FOR HUMAN-ROBOT COOPERATIVE OPERATIONS – UNIVERSITY OF GENOVA 2. ACTIVE, DISTRIBUTED AND RECURSIVE REASONING MODELS FOR COGNITIVE ROBOTS – UNIVERSITY OF GENOVA 3. COOPERATIVE MODELS AND CONTROL IN HUMAN-ROBOT COLLABORATION SCENARIOS – UNIVERSITY OF GENOVA 4. ADAPTIVE AND INTERACTIVE TASK PLANNING IN ROBOTS ENHANCED BY LLMS AND VLMs – ITALIAN INSTITUTE OF TECHNOLOGY 5. MACHINE LEARNING FOR CROSS-MODAL SENSORY SUBSTITUTION IN ROBOTIC MANIPULATION AND HUMAN-ROBOT INTERACTION - ITALIAN INSTITUTE OF TECHNOLOGY 6. COLLABORATIVE ROBOTICS FOR THE PROCESSING OF NATURAL AND TECHNICAL SURFACES – UNIVERSITY OF CATANIA 7. USING AI TO DETECT DEFECTS ON THE COMPOSITE USING OPTICAL AND ACOUSTIC SENSORS - LEONARDO S.p.A. and C.N.R. STIIMA 8. LARGE LANGUAGE MODELS AND SENSOR-ENHANCED ARTIFICIAL INTELLIGENCE FOR TALENT DISCOVERY AND BIAS-AWARE RECRUITMENT – RINA S.p.A. 10. AI-BASED MULTIMODAL PERCEPTION FOR HUMAN-ROBOT COLLABORATION – UNIVERSITY OF CAMPANIA “LUIGI VANVITELLI” [1] <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://bit.ly/DRIM_25_26</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

	A step-by-step guideline for the application is available here: Instructions for submitting Phd application
--	--

[1] Position with grant added after the publication of the Notice of competition (D.R. 2409 dated 6.06.2025)

Course: ROBOTICS AND INTELLIGENT MACHINES – Italian national doctorate

Dottorato di “interesse nazionale” in convenzione Università degli Studi di BRESCIA, Università degli Studi di Cagliari, Università degli Studi della Campania “Luigi Vanvitelli”, Università Campus Bio-Medico di Roma, Università degli Studi di CATANIA, Università degli Studi di NAPOLI Federico II, Università degli Studi di PALERMO, Politecnico di BARI, Scuola Superiore Sant’Anna, Istituto Italiano di Tecnologia (IIT), Fondazione centro di ricerca italiano per l’automotive (AI4I) e Consiglio Nazionale delle Ricerche (CNR)

Curriculum: INDUSTRY 4.0 (CODE 11228)

Coordinator: Sgorbissa Antonio	
Department of IT, Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi – DIBRIS)	
Places: 1 – Grants: 1 (*)	
(*) of which 1 grant funded 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 payable by the recipient, is € 19,500. [1] Project: SMART LOGISTICS: INTELLIGENT SLAM FOR INDOOR-OUTDOOR CONTROL OF MOBILE ROBOTS – LEONARDO S.P.A. AND UNIVERSITY OF GENOVA.	
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>22.07.2025 at 09.30 (CEST)</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) ;

	<ul style="list-style-type: none"> – 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>9. SMART LOGISTICS: INTELLIGENT SLAM FOR INDOOR-OUTDOOR CONTROL OF MOBILE ROBOTS - LEONARDO S.P.A. AND UNIVERSITY OF GENOVA</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://bit.ly/DRIM_25_26</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: Instructions for submitting Phd application</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>

[1] Information updated after the publication of the Notice of competition (D.R. 2409 dated 6.06.2025)

Course: ROBOTICS AND INTELLIGENT MACHINES – Italian national doctorate

Dottorato di “interesse nazionale” in convenzione Università degli Studi di BRESCIA, Università degli Studi di Cagliari, Università degli Studi della Campania “Luigi Vanvitelli”, Università Campus Bio-Medico di Roma, Università degli Studi di CATANIA, Università degli Studi di NAPOLI Federico II, Università degli Studi di PALERMO, Politecnico di BARI, Scuola Superiore Sant’Anna, Istituto Italiano di Tecnologia (IIT), Fondazione centro di ricerca italiano per l’automotive (AI4I) e Consiglio Nazionale delle Ricerche (CNR)

Curriculum: INSPECTION AND MAINTENANCE OF INFRASTRUCTURES (CODE 11229)

Coordinator: Sgorbissa Antonio	
Department of IT, Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi – DIBRIS)	
Places: 3 – Grants: 3 (*)	
(*) Research topic n. 1 and n. 2 , 2 grants funded by University of Genova, the annual amount of the scholarship, gross of social security contributions payable by the recipient, is € 19.500 .	
(*) Research topic n. 3 , 1 grant funded by WE SII S.r.l., the annual amount of the scholarship, gross of social security contributions payable by the recipient, is € 16.500 .	
Comparative assessment procedure	<p>QUALIFICATIONS/PUBLICATIONS AND INTERVIEW</p> <p>30.07.2025 at 14:00 (CEST)</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 <u>must</u>:</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. COORDINATION AND CONTROL OF A TEAM OF UAVs – UNIVERSITY OF GENOVA 2. ROBOTIZED UNDERWATER INSPECTION AND MAINTANANCE OPERATIONS – UNIVERSITY OF GENOVA 3. COMPUTER VISION AND AI APPLICATIONS FOR REMOTE SENSING OF PHOTOVOLTAIC PLANTS – WE SII S.r.l. <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://bit.ly/DRIM_25_26</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: Instructions for submitting Phd application</p>

Course: ROBOTICS AND INTELLIGENT MACHINES – Italian national doctorate

Dottorato di “interesse nazionale” in convenzione Università degli Studi di BRESCIA, Università degli Studi di Cagliari, Università degli Studi della Campania “Luigi Vanvitelli”, Università Campus Bio-Medico di Roma, Università degli Studi di CATANIA, Università degli Studi di NAPOLI Federico II, Università degli Studi di PALERMO, Politecnico di BARI, Scuola Superiore Sant’Anna, Istituto Italiano di Tecnologia (IIT), Fondazione centro di ricerca italiano per l’automotive (AI4I) e Consiglio Nazionale delle Ricerche (CNR)

Curriculum: MOBILITY AND AUTONOMOUS VEHICLES (CODE 11230)

Coordinator: Sgorbissa Antonio	
Department of IT, Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi – DIBRIS)	
Places: 2 – Grants: 2 (*) [1]	
(*) Research topic no. 1 , 1 grant funded by the Italian Institute of Technology (EU projects HARIA – GA 101070292 CUP J53C2200226006 and MAGICIAN – GA 101120731 CUP J53C2300218006), the annual amount of the grant, gross of social security contributions payable by the recipient, is € 19.500	
(*) Research topic n. 2 , 1 grant funded by Leonardo S.p.A., the annual amount of the scholarship, gross of social security contributions payable by the recipient, is € 19.500 . [1]	
Comparative assessment procedure	<p>QUALIFICATIONS/PUBLICATIONS AND INTERVIEW</p> <p>21.07.2025 at 08:30 (CEST)</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 <u>must</u>:</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-irim.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-irim.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. LIFELONG AUTONOMY IN LEGGED-WHEELED ROBOTS THROUGH HYBRID MODEL-LEARNING AND CONTINUAL ADAPTATION – ITALIAN INSTITUTE OF TECHNOLOGY</p> <p>2. LEARNING-BASED PERCEPTION AND DECISION-MAKING FOR INTELLIGENT QUADRUPED ROBOTS IN SECURITY AND MONITORING MISSIONS - LEONARDO S.p.A. [1]</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://bit.ly/DRIM_25_26</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: Instructions for submitting Phd application</p>

[1] Position with grant added after the publication of the Notice of competition (D.R. 2409 dated 6.06.2025)

Curriculum: BIOSTATISTICS AND METHODS FOR ANALYSIS OF BIG DATA (CODE 11231)

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.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	23.07.2025 – at 9:00 am (CEST) 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 endpoints 2. Meta analysis 3. Models for the study of disability trajectories 4. Methodological problems in the quantitative study of disease progression in chronic diseases 5. Early markers of prognosis and response to treatment 6. Methods for Big Data Analysis
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. Maria Pia Sormani at the following address: mariapia.sormani@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 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.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	23.07.2025 – at 9:00 am (CEST) 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	<p>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.</p> <p>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.</p> <p>3. Role of vaccinations in infants, children, adults and the elderly - Detection of vaccination coverage rates - Monitoring of preventable cases.</p> <p>4. Regulatory and authorization aspects of vaccines - Ethical evaluations.</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 contact person of the Doctoral Course Prof. Giancarlo Icardi at the following address: icardi@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.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	23.07.2025 – at 9:00 am (CEST) 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	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	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 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 Coordinator: Izzotti Alberto	
Department of Health Sciences (Dipartimento di Scienze della Salute – DISSAL)	
Places: 1 - Grants: 1 (*)	
(*) 1 grant funded by Department (DISSAL), 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	23.07.2025 – at 9:00 am (CEST) 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	<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. Francesco Ventura at the following address: francesco.ventura@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:</p> <p>Giuseppe Zara</p> <p>E-mail: giuseppe.zara@unige.it</p>

Course: HEALTH SCIENCES**Curriculum: NURSING (CODE 11235)**

Course Coordinator: Izzotti Alberto	
Department of Health Sciences (Dipartimento di Scienze della Salute – DISSAL)	
Places: 3 (°) - 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; (°) 1 position reserved for Istituto Europeo di Oncologia (IEO) employees; (°) 1 position reserved for Azienda Ospedaliero – Universitaria Pisana employees	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	23.07.2025 – at 9:00 am (CEST) 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	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	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 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 Coordinator: Izzotti Alberto	
Department of Health Sciences (Dipartimento di Scienze della Salute – DISSAL)	
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 (°) 1 position reserved for L.N. Age Srl employees	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	23.07.2025 – at 9:00 am (CEST) 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 diseases 2. Dietary and pharmacological prevention of tumors 3. Prevention of cardiovascular diseases, ophthalmological pathologies and neurogenerative forms 4. Molecular alterations and tumors induced by cigarette smoking and their prevention 5. Study of factors of genetic predisposition to tumors
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. Alberto Izzotti at the following address: izzotti@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:</p> <p>Giuseppe Zara</p> <p>giuseppe.zara@unige.it</p>

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	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	23.07.2025, 10AM (CEST) 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 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	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	24.07.2025 at 11:00 a.m. (CEST) in room A5, Villa Cambiaso Buildings 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: NAVAL ARCHITECTURE AND MARINE ENGINEERING - MARINE TECHNOLOGIES (CODE 11239)**

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	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	18.07.2025 – ore 2:30 PM (CEST) 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: 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	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/dottorato [1]. Further information may be requested via e-mail (cesare.rizzo@unige.it)
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

[1] Link modified after the publication of the Notice of competition (D.R. 2409 dated 6.06.2025)

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 CETENA 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: <i>On-board ship integration of nuclear fission power plants.</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	18.07.2025 – 2:30 p.m. (CEST) 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: <i>On-board ship integration of nuclear fission power plants.</i> <i>The research activity will focus on the development of knowledge and skills related to third and fourth generation nuclear fission reactors and their degree of technological maturity, its outlook and applicability to ship propulsion.</i> <i>The national and international regulatory and institutional framework will be analyzed, with reference to both, land and on-board installations.</i> <i>The problems of integrating nuclear reactors on board surface or submarine ships will also be investigated, with reference to main methods and tools of basic design as well as to construction issues, including the management of the nuclear construction site.</i>
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 in the company: 12 (4 per year)

Course Coordinator: Ferrari Claudio	
Centro del Mare	
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 funded by Hitachi Rail STM, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 19.500	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	22.07.2025 Interviews will start at 10 AM (CEST) 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	For the two grants funded by the University of Genoa: 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 For the grant funded by Hitachi Rail: Digital skills and Artificial Intelligence for the development of innovative solutions to support the railway transport system
Information on references	Letters of reference should be sent to: cieli@unige.it claudio.ferrari@unige.it
Foreign Languages	English

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	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	21.07.2025 Interviews will start at 10 AM (CEST) by remote via Teams
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.
Exam Syllabus	The interviews will assess the candidates' knowledge of the machine and energy systems sector for maritime applications, with particular focus on the topics related to the presented project.
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: MARINE ECOSYSTEM SCIENCES (CODE 11243)**

Course Coordinator: Ferrari Claudio	
Centro del Mare	
Places: 3 – Grants: 3 (*)	
(*) 3 grants co-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	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	22.07.2025 at 10.00 (CEST) 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 in person.
Exam Syllabus	Applicants must: 1) submit a research project (maximum 10 A4 pages). 2) an updated curriculum vitae; Italian applicants who have not yet graduated should submit the list with the grade of exams taken in the master's degree. 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
Research Themes	Grant no. 1: Seaweed Cultivation to Support Environmental Regeneration in the Mediterranean Sea Grant no. 2: Assessment and implementation of mitigation techniques to reduce elasmobranch bycatch in longline fisheries in the Ligurian Sea. Grant no. 3 Genomic variation, epigenetic changes, and evolution of emerging <i>Vibrio</i> pathogens in response to rising sea surface temperatures. 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.
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 11244)

Course Coordinator: Grotti Marco	
Department of Chemistry and Industrial Chemistry (Dipartimento di Chimica e Chimica Industriale – DCCI)	
Places: 4 – Grants: 4 (*)	
(*) 2 grants funded by IIT, from NEHA - ERC Advanced Grant ID 101095974, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 19.500 (research themes 1-2), (*) 2 grants funded by IIT, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 18.500 (research themes 3-4).	
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 colloidal nanocrystals for photocatalytic applications.2. Hybrid antenna reactors based on colloidal quantum dots.3. Fabrication and investigation of infrared light-sources based on colloidal quantum dots.4. Development of innovative light-sensing applications based on colloidal quantum dots.
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 person Dr. Iulia Manolache Tel: (+39) 0102896718 iulia.manolache@iit.it</p> <p>Further information on the research themes: https://chimica.unige.it/en/calls Research project recommended template: https://chimica.unige.it/en/calls</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: SCIENCE AND TECHNOLOGY OF MATERIALS (CODE 11245)

Course Coordinator: Grotti Marco	
Department of Chemistry and Industrial Chemistry (Dipartimento di Chimica e Chimica Industriale – DCCI)	
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.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	<p>24.07.2025 – 9:00 AM (CEST), at Dipartimento di Fisica – DIFI, via Dodecaneso 33, 16146, Genova.</p> <p>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).</p> <p>The justified request for videoconferencing must be sent no later than 17.07.2025 by e-mail to annalisa.relini@unige.it (subject: PhD_interview).</p>
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 condizione, 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	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.).
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 annalisa.relini@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. Annalisa Relini (+39) 0103356427 annalisa.relini@unige.it</p> <p>Administrative contact person Ms. Noemi Pretelli (+39) 0103358752 dottorato_STCM@unige.it</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 11246)

Course Coordinator: Grotti Marco	
Department of Chemistry and Industrial Chemistry (Dipartimento di Chimica e Chimica Industriale – DCCI)	
Places: 6 – Grants: 6 (*)	
(*) 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 € 17.500. (*) 1 grant cofunded by MUR/Department (DCCI); the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	29.07.2025 – 8:30 AM (CEST) , at Dipartimento di Chimica e Chimica Industriale (DCCI), via Dodecaneso 31, 16146 Genova. The interview may take place electronically (Teams), 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 27.07.2025 by e-mail to renata.riva@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. 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. 14. Inorganic materials (metallic and refractory) for renewable energies. 15. Polymeric, hybrid and nanocomposite materials. 16. Polymer nanostructures for photonics. 17. Membranes and membrane processes. 18. Chemistry for cultural heritage: heritage conservation, diagnostics, and monitoring.
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 paola.riani@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. Renata Riva (+39) 0103356006 renata.riva@unige.it Administrative contact person Ms. Noemi Pretelli (+39) 0103358752 dottorato_STCM@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: CHEMICAL SCIENCES AND TECNOLOGIES (CODE 11247)

Course Coordinator: Grotti Marco	
Department of Chemistry and Industrial Chemistry (Dipartimento di Chimica e Chimica Industriale – DCCI)	
Places: 2 – Grants: 2 (*)	
(*) 1 grant funded by Department (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. (*) 1 grant funded by Department (DCCI) within FIS 2 Starting Grant LOOP, FIS-2023-01927; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	24.07.2025 – 10:00 AM (CEST) , 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 17.07.2025 by e-mail to loop-project@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 condizione, 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. Preparation of copolymers, blends and vitrimeric materials by using sustainable synthetic technologies (project CIRCULARIZE)2. Synthesis and electrochemical characterization of metal-semiconductor junctions for photoreductive degradation of perfluorinated pollutants in water (project LOOP)
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 loop-project@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. Alessandro Pellis (project CIRCULARIZE) (+39) 0103356124 alessandro.pellis@unige.it Prof. Paola Lova (progetto LOOP) (+39) 0103356194

	<p><u>paola.lova@unige.it</u></p> <p>Administrative contact person Ms. Noemi Pretelli (+39) 0103358752 <u>dottorato_STCM@unige.it</u></p> <p>Further information on the research themes: <u>https://chimica.unige.it/en/calls</u></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 11248)

Course Coordinator: Grotti Marco	
Department of Chemistry and Industrial Chemistry (Dipartimento di Chimica e Chimica Industriale – DCCI)	
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 € 17.500.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	<p>22.07.2025 – 9:00 AM (CEST), at Dipartimento di Farmacia (DIFAR), viale Benedetto XV, 16132 Genova.</p> <p>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).</p> <p>The justified request for videoconferencing must be sent no later than 12.07.2025 by e-mail to: giancarlo.grossi@unige.it (subject: PhD_interview)</p>
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	<p>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 candidate attitude to develop a scientific project. During the presentation the Committee will ascertain the candidate knowledge of English language.</p>
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

	<p>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> <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>
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 giancarlo.grossi@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. Giancarlo Grossi (+39) 0103538374 giancarlo.grossi@unige.it</p> <p>Administrative contact person Ms. Noemi Pretelli (+39) 0103358752 dottorato_STCM@unige.it</p>

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

Curriculum: BIOLOGY APPLIED TO AGRICULTURE AND TO THE ENVIRONMENT (CODE 11249)

Course Coordinator: Scambelluri Marco	
Department of Earth, Environmental and Life Sciences (Dipartimento di Scienze della Terra, dell'Ambiente e della Vita – DISTAV)	
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 funded by MUR/Department (DISTAV) in the framework of the Research Project Ecosentinel; 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	25.07.2025 - h 9.00 (CEST) in telematic mode, contacting in advance the person responsible for the curriculum, Prof. Sonia Scarfi soniascarfi@unige.it
Further information on how to present qualifications/publications	<p>The qualifications are intended as all information contained in the application and in the documents attached to it. The application must include:</p> <ul style="list-style-type: none"> a) the curriculum vitae et studiorum of the PhD candidate (maximum ten pages). b) a detailed research project concerning one of the Doctorate Research themes published in the official call for the XLI Doctorate Cycle in Science and Technology for the Environment and the Territory of the Genova University (maximum ten pages). c) a document containing the title and a brief description of the Master thesis, together with the list of exams and their marks. 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). 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>PhD candidates can apply in English and Italian. <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> <ul style="list-style-type: none"> 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. 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 the research topic of the project presented. 3- the research topic that the candidate aims at developing during the PhD. 4 - the knowledge of the English language.

Research Themes	<p>The candidate must choose only one of the following 5 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> <p>1 Conservation of Amphibian and Reptile populations in Mediterranean rural landscapes (University grant)</p> <p>2) Implementation of advanced 3D in vitro models of human lung tissues for the identification of specific biomarkers of the inflammatory and carcinogenic potential of mineral fibers and their derivatives (University grant)</p> <p>3) Acclimation, adaptation and resilience of lichens to climate change (University grant)</p> <p>4) Evaluation of the invasive dipteran species in Italy (University grant)</p> <p>5) Functional traits and ecophysiology of plants: understanding electromagnetic properties to create ecological sentinels (University grant/ Department grant / Research project grant 100022-2024-ER-HE-FOOD-ENV_EcoSentinel)</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. 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. Sonia Scarfi (soniascarfi@unige.it), responsible for the Doctorate curriculum.</p>
Foreign Languages	<p>The research project can be written in Italian or English, but knowledge of the English language is required</p>
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. Sebastiano Salvidio (sebastiano.salvidio@unige.it) for theme 1 • Prof. Sonia Scarfi (soniascarfi@unige.it) for theme 2 • Prof. Paolo Giordani (paolo.giordani@unige.it) for theme 3 • Prof. Stefano Vanin (stefano.vanin@unige.it) for theme 4 • Prof. Enrica Roccotiello (enrica.roccotiello@unige.it) for theme 5

Course Coordinator: Scambelluri Marco	
Department of Earth, Environmental and Life Sciences (Dipartimento di Scienze della Terra, dell'Ambiente e della Vita – DISTAV)	
Places: 2 – Grants: 2 (*)	
(*) 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 €	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	24.07.2025 –h. 10,30 (CEST). Online modality, by contacting in advance and in due time Prof. Marco Scambelluri Dipartimento di Scienze della Terra dell'Ambiente e della Vita (DISTAV) marco.scambelluri@unige.it
Further information on how to present qualifications/publications	By titles are meant all information contained in the application form and in the documents attached to it. The application must be accompanied by: a) the candidate's curriculum vitae et studiorum (maximum ten pages), with indication of the degree mark. b) a research project relating to one of the research topics published in the call for the XLI 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). c) a document containing the title and an abstract of the Master's degree thesis, together with the list of exams taken and their marks. d) 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). e) up to maximum three reference letters: more detail is provided in the in the present call at the section “ <i>Information on references</i> ”. Candidates can write their project and application forms either in Italian or in English <u>Failure in submitting a project on one of the topics listed below will determine the candidate's exclusion from the selection</u>
Exam Syllabus	The interview will deal with: 1. the general knowledge of geological themes, processes and topics of general interest and of specific interest to the proposed research. 2. 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. 3. the specific research topic that the candidate aims to develop during the research doctorate. 4. an evaluation of the candidate's knowledge of the English language.
Research Themes	The following list reports the titles of research topics on which the STAT Doctorate fellowships (XLI 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). Candidates must choose only one of the three research topics listed below: presentation of projects on topics different from those listed below will determine the candidate's exclusion from the selection. 1) Physical and thermodynamic properties of minerals in planetary interiors (University grant). 2) Interplay between sedimentary mass transport events and deep-sea currents, and their impact on submarine ecosystems: an outcrop-based approach (University grant).

	3) Geophysical study of the tectono-magmatic control on the development of submarine hydrothermal systems and associated mineralization in the Kermadec Arc (South Pacific Ocean, New Zealand) (University grant).
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 to Prof. Prof. Marco Scambelluri (marco.scambelluri@unige.it , the responsible for the Doctorate curriculum).
Foreign Languages	English
Further Information	Further information is available on the doctorate website (http://www.distav.unige.it/phdstat/it) and can be requested to <ul style="list-style-type: none"> • Prof. Donato Belmonte (donato.belmonte@unige.it), for theme 1 • Prof. Kei Ogata (kei.ogata@unige.it), for theme 2 • Prof. Fabio Caratori Tontini (fabio.caratori.tontini@unige.it), for theme 3

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

Curriculum: ELECTRICAL ENGINEERING (CODE 11251)

Course Coordinator: Marchesoni Mario	
Department of Marine, Electrical, Electronic and Telecommunications Engineering (Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni – DITEN)	
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 € 18.500.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	21.07.2025 9.00 am (CEST) Telematic mode (Microsoft Teams or similar software) by contacting Prof. Luis Vaccaro, e-mail luis.vaccaro@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. Luis Vaccaro at the following address: luis.vaccaro@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 laura.brunelli@unige.it tel: +39 0103532286; fax: + 39 0103532777 </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 11252)

Course Coordinator: Valle Maurizio Department of Marine, Electrical, Electronic and Telecommunications Engineering (Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni – DITEN)	
Places: 12 (°) – Grants: 10 (*)	
(*) 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 € 17.500. (*) 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. (*) 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. (*) 3 grants funded by Department (DITEN), the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500. (°) 1 Place reserved to employees of MONTY MOBILE INTERNATIONAL ltd. (°) 1 Place reserved to employees of Libanese International University	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	23.07.2025 - 09.30 am CEST 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 themes 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, <u>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 XLI cycle – CURRICULUM EET.</u></p>

Research Themes	<ol style="list-style-type: none"> 1. Embedded machine learning for sensing systems in wearable robotic devices 2. AI-based anomaly and cyber attack detection in industrial systems 3. AI-driven Intrusion Detection Systems (IDS) for monitoring of wireless communications 4. AI-based transmitter fingerprinting for resilient satellite communications 5. AI-Driven Optimization of 4G LTE Network Handover Performance in MNO Infrastructure (reserved to employees of MONTY MOBILE INTERNATIONAL ltd.) 6. Security analysis of communications of Internet of Things environments with focus on emerging technologies (funded by CNR) 7. Hardware acceleration for robust embedded perception and decision making 8. Optimized TinyML solutions for embedded systems 9. Applying Foundational Large Language Models (LLMs) to Enterprise Information Systems 10. Intelligent artificial skin for Human Robot Interaction 11. Novel inversion techniques for electromagnetic diagnostics 12. Machine learning and deep learning for remote sensing image analysis 13. Data-driven methods and models for integrated sensing and communication in autonomous multi-heterogeneous cognitive ego-things 14. Incrementally self-aware predictive models for detecting malicious attacks in a V2X scenario 15. Time domain signal processing for supply voltage independent sensors 16. Zero-touch orchestration of beyond 5G services and platforms 17. AI-driven Optimization of edge-cloud beyond 5G services 18. Energy-Efficient AI Hardware for Smart Autonomous Sensing (reserved to employees of Libanese International University). 19. IoT over NextGeneration Networks
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 XLI 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 Coordinator: Valle Maurizio	
Department of Marine, Electrical, Electronic and Telecommunications Engineering (Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni – DITEN)	
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 Metakol 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: Artificial intelligence-based solutions for the validation of integrity and the analysis of complex information sources and multimedia signals.	
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	23.07.2025 - 09.30 am CEST 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	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. 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. A possible outline for the presentation of the research project plan, which must not exceed 10 pages, is the following: <ul style="list-style-type: none"> - motivations and logic foundation; - state of the art; - objectives; - methods employed; - preliminary workplan; - expected outcomes; - bibliography.
Exam Syllabus	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. 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 XLI cycle – CURRICULUM EET.
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"> - Artificial intelligence-based solutions for the validation of integrity and the analysis of complex information sources and multimedia signals.
Information on references	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 XLI cycle_ Candidate Name_ reference letter The candidate MUST indicate in the submitted application names, status and affiliation of the referees. The referees MUST clearly indicate in the reference letters the supported candidate's aptitude to scientific research development.

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 11254)

Course Coordinator: Valle Maurizio	
Department of Marine, Electrical, Electronic and Telecommunications Engineering (Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni – DITEN)	
Places: 5 – Grants: 5 (*)	
(*) 5 grants funded by IIT, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 18.500	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	Interview: 28.07.2025 h 10:00 AM (CEST) 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, and prof. Vittorio Murino Vittorio.murino@iit.it email Subject: Interview Ph.D. STIET XLI cycle – CURRICULUM CVARL.</p>
Research Themes	<p>Tema A: Disentangled Representation Learning via Diffusion Models</p> <p>Tema B: Continual generalized category discovery , incremental learning</p> <p>Tema C: Advancing Temporal Multimodal Understanding through Prompt-Adaptive MLLMs</p> <p>Tema D: Unlearning in Multimodal Healthcare Data</p> <p>Tema E: Multimodal scene understanding</p> <p>Tema F: Few-shot Anomaly Detection in Medical Data</p> <p>Tema G: Discovery and mitigate bias in deep neural networks</p> <p>Tema H: Federated Learning by multimodal generative modeling</p> <p>Tema I: Biomedical imaging & Neuroimaging</p> <p>Tema L: Computer vision into the wild</p> <p>Tema M: Generative Vision-Language-Action models for spatial perception and robotic behavior generation</p> <p>Tema N: Topological Deep Learning and Graph Neural Networks</p> <p>More detailed information on the specific themes and indication of supervisors, at https://pavisdata.iit.it/data/phd/ResearchTopicsPhD_2025_2026_IIT-AIGO_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, vittorio.murino@iit.it with subject: Ph.D. STIET XLI 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 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 and Prof. Vittorio Murino Director, AIGO – AI for Good IIT Istituto Italiano di Tecnologia Via Enrico Melen, 83, 16152, Genova, GE vittorio.murino@iit.it</p>

Course: PAEDIATRIC SCIENCES**In agreement with IRCCS Istituto Giannina Gaslini****Curriculum: ENDOCRINOLOGY AND DIABETOLOGY (CODE 11255)**

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: 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	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	24.07.2025 – 9.30 am (CEST) , 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 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 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: 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	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	24.07.2025 – 9.30 am (CEST) , 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 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	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 11257)

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: 1 – Grants: 1 (*)	
(*) 1 grant cofunded by MUR/Department (DINOGMI), 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	24.07.2025 – 9.30 am (CEST) , 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 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	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 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: 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	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	24.07.2025 – 9.30 am (CEST) , 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 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	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 11281)

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: 4 (°) – Grants: 3 (*)	
(*) 3 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 € 16.500.	
(°) 1 position reserved for IRCCS Istituto Giannina Gaslini employees.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	24.07.2025 – 9.30 am (CEST) , 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 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	Paediatric Specialties
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 11259)

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: 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 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.	
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	24.07.2025 – 9.30 am (CEST) , 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 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	Research project: Integrated omics approach for the study of neurodevelopmental disorders and chronic pain syndromes
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

Curriculum: MIGRATIONS AND INTERCULTURAL PROCESSES (CODE 11260)

Course Coordinator: Paolo Parra Saiani	
Department of Education Sciences (DISFOR)	
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	31.07.2025 – 9.00 am (CEST) 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, candidate's aptitude for doctoral training and real motivation to the training and research program will be assessed, 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. <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) and that can be starting points for the effective doctoral research project.</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://dottoratosciencesociali.unige.it/ Curriculum Coordinator: Prof. Giacomo Zanolin, DISFOR, C.so Podestà 2 giacomo.zanolin@unige.it

	<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, dottoratosciencesociali.disfor@unige.it</p>
--	---

Course Coordinator: Paolo Parra Saiani	
Department of Education Sciences (DISFOR)	
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 EXAM
Written Test	<p>The written exam will take place <u>only in presence</u> on 22.07.2025 from 10.00 to 12.00 (CEST) in the room 3, Piazzale E. Brignole n. 2A, Genova.</p> <p>The written exam will consist in writing a paper on a topic connected to the curriculum “Political thought, society and law”.</p>
Interview	<p>23.07.2025 – 14:00 p.m. (CEST)</p> <p>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 take place in room 3, Albergo dei Poveri, Piazzale E. Brignole n. 2A, Genoa, <u>in presence</u>.</p>
Further information on how to present qualifications/publications	<p>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.</p> <p>The following will be evaluated:</p> <ol style="list-style-type: none"> 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
Content of the examinations	<p>The written exam will consist in writing a paper on a topic connected to the curriculum “Political thought, society and law”.</p> <p>The interview will focus on:</p> <ul style="list-style-type: none"> - 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. <p>During the interview, the candidate’s knowledge of English language will be assessed.</p>
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	<p>Website: https://dottoratosciencesociali.unige.it/</p> <p>Curriculum Coordinator: Prof.ssa Laura Carpaneto, DISPI, laura.carpaneto@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, dottoratosciencesociali.disfor@unige.it</p>

Course Coordinator: Paolo Parra Saiani	
Department of Education Sciences (DISFOR)	
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; (°) 1 position reserved for IRCCS Istituto Neurologico “Carlo Besta” employees; (°) 1 position reserved for Fondazione CEPIM employees.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	<p>07.28.2025 – 9:30 a.m. (CEST), in person, at the Department of Educational Sciences (DISFOR), Corso Andrea Podesta 2, 16128, Genova, Italy.</p> <p>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 07.27.2025- 6 p.m. (European Central Time).</p>
Further information on how to present qualifications/publications	<p>The following qualifications/publications will be evaluated:</p> <ol style="list-style-type: none"> 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 <p>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.</p>
Exam Syllabus	<p>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).</p> <p>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.</p>
Research Themes	<ul style="list-style-type: none"> - Working memory, Intelligence, cognitive and non-cognitive abilities (e.g., intelligence, mathematics, anxiety) in females and males. 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, psychosocial risks and safety at work. Leadership. Professional development and training. Dehumanization and objectification in interpersonal and intergroup relationships. Prejudice, its different forms and reduction strategies. - Clinical disorders, psychopathological symptoms, addictions, emotional regulation difficulties in middle childhood, adolescents and adults. Attachment: research, clinical applications, assessment methods and attachment-based interventions. Adoption. High-risk adolescents. Psycho(patho)logical correlates of physical diseases. Access to psychological care for vulnerable groups. Mentalization in clinical and non-clinical groups. Risk and protective factors in individuals, couples and families.
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	<p>Website: https://dottoratoscienze sociali.unige.it/</p> <p>Curriculum Coordinator: Prof. Cecilia Serena Pace, DISFOR, C.so Podestà 2, cecilia.pace@unige.it</p> <p>Coordinator of the Phd Course in Social Science: Prof. Paolo Parra Saiani, DISPO, Albergo dei Poveri, piazzale E. Brignole 2A (cancello), Genova, Paolo.ParraSaiani@unige.it</p> <p>Administrative manager: Dott. Valentina Gullà, DISFOR, C.so Podestà 2, dottoratoscienze sociali.disfor@unige.it</p>
----------------------------	---

Course Coordinator: Paolo Parra Saiani	
Department of Education Sciences (DISFOR)	
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 7.28.2025 – 10:00 a.m. (CEST) The interview will take place in telematic mode through the Teams platform.
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://dottoratosciencesociali.unige.it/ Referente di Curriculum: Prof.ssa Valeria Pandolfini, DISFOR, C.so Podestà 2, valeria.pandolfini@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, dottoratosciencesociali.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 11264)**

Course Coordinator: Cattari Serena	
Centro Strategico Interdipartimentale su Sicurezza, Rischio e Vulnerabilità	
Places: 5 – Grants: 5 (*) [1]	
(*) 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; (*) 2 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; (*) 1 grant funded by Leonardo SpA, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 19.500. [1]	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	24.07.2025 at 8:00 (CEST) remotely on Zoom (ID: 82371725228 -Passcode: 404093) 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. Security and Privacy of cross-domain application ecosystems 2. Foundations of Explainable AI 3. Formal methods for industrial system design 4. Assisted security and compliance assessment of cryptographic protocols for digital identity solutions 5. AI-driven Defect Recognition in Industrial Imaging [1]
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

[1] Position with grant added after the publication of the Notice of competition (D.R. 2409 dated 6.06.2025)

Course Coordinator: Cattari Serena	
Centro Strategico Interdipartimentale su Sicurezza, Rischio e Vulnerabilità	
Places: 1 – Grants: 1 (*)	
<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 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 € 19.500.</p> <p>Project: Promote open, efficient, and equitable pediatric research and foster the development of new artificial-intelligence-based technologies and practices through the generation of synthetic data.</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>24.07.2025 at 8:00 (CEST) remotely on Zoom (ID: 82371725228 -Passcode: 404093) 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.</p>
Further information on how to present qualifications/publications	<p>Candidates have to submit</p> <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	<p>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.</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> <ol style="list-style-type: none"> 1. Promote open, efficient, and equitable pediatric research and foster the development of new artificial-intelligence-based technologies and practices through the generation of synthetic data.
Information on references	<p>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.</p>
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 11266)

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.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	July 23, 2025, at 15 (CEST) 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 of 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
Information on references	Candidates must choose at least one (but 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 with 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 candidate–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 Coordinator 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: RISK AND RESILIENCE ENGINEERING FOR THE NATURAL, INDUSTRIALIZED AND BUILT ENVIRONMENTS (CODE 11267)

Course Coordinator: Cattari Serena	
Centro Strategico Interdipartimentale su Sicurezza, Rischio e Vulnerabilità	
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 cofunded by MUR/Department (DICC) and by the Research Centre EURAC, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	24.07.2025, 9:00 am (CEST) , room A12 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. Massimiliano Burlando (massimiliano.burlando@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: Admission - Scholarships - RRENIB – Link to themes). For the grant funded by the Università degli Studi di Genova and co-funded by professors of DICC department and EURAC the research project has been already defined and it deals with the Climate Stress for Socioeconomic Vulnerability Recognition in Water Management Systems. Additional details on this research theme are provided at https://sicurezza.unige.net (webpage: Admission - Scholarships - RRENIB – Link to themes, indicated as Research Topic BF1). For this grant the research project of the candidate must agree with the goals

	identified for this research theme. Moreover, the holder of this scholarship, in accordance with the study plan and any planned period abroad, shall spend (in person) at least 40% of his/her time, even if not continuously, at the funding institution.
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.</p> <p>The reference letter must be sent by the referees, within the deadline of the public notice, to the Coordinator of the PhD program and to the responsible of the Curriculum (serena.cattari@unige.it, massimiliano.burlando@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.</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 DICCA – Via Montallegro 1 1614 Genova serena.cattari@unige.it</p> <p>Curriculum Coordinator Prof. Massimiliano Burlando DICCA – Via Montallegro 1 1614 Genova massimiliano.burlando@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 11268)

Course Coordinator: Cattari Serena	
Centro Strategico Interdipartimentale su Sicurezza, Rischio e Vulnerabilità	
Places: 4 – Grants: 4 (*)	
(*) 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 cofunded by MUR/CIMA Foundation the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500; (*) 2 grants funded by CIMA Foundation the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	24.07.2025 9:00 am (CEST) , in the Savona Campus of the University of Genova. Depending on the number of candidates, the interviews (ID riunione: 867 6098 8749 Codice d'accesso: 789403) 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	<p>1 Towards a Systemic Assessment of the Future Impacts of Wildfires: Populations, Ecosystems and Economic Systems under Climate Change Scenarios</p> <p>2 AI-Driven Operational Flood Modelling</p> <p>3 Linking Early Warning Systems to the Last Mile in contexts of high socio-economic vulnerability</p> <p>4 Seasonal prediction of water cycle changes, with focus on droughts and wildfires</p> <p>5 Valuing Ecosystem Services in Climate-Induced Water Extremes: Bridging Nature and Loss & Damage Assessments</p> <p>6 Development of a meteorological WRF-LES + CFD coupled model chain AI-aware for the simulation of heat waves, windstorms and floods to increase the resilience of Mediterranean cities to extreme events</p> <p>7 Rural archaeology and vegetation history for risk mitigation in mountain areas: the reconstruction of past agro-silvo-pastoral practices and their environmental and social effects.</p> <p>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 Rural archaeology and vegetation history for risk mitigation in mountain areas: the reconstruction of past agro-silvo-pastoral practices and their environmental and social effects.</p> <p>Additional details on this research theme are provided at https://sicurezza.unige.net (webpage: how to apply - Themes RCCSD - XLI - June 2025). For this grant the research project of the candidate must agree with the goals identified for this research theme.</p>

	For a more detailed description of the proposed research topics, interested candidates may consult the website: https://sicurezza.unige.net (page: how to apply – Themes RCCSD – XLI – June 2025). Candidates who have submitted research topics other than those listed above will not be admitted.
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	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 Foundation

Curriculum: SECURITY AND LAW (CODE 11269)

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.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	25/07/2025, 10.00 a.m. (CEST) 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	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: - 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.
Research Themes	Lines of research are focused on the following macro-areas: - <u>Security and constitutional law</u> E-democracy, cybersecurity and fundamental rights in the cyberspace E-government, sustainability and digital transition of the citizenship Rule of law and algorithmic administration - <u>Security and administrative law</u> 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 - <u>Security and philosophy of the law</u> Legal modelling and simulation Analytical legal theory and the quality of legislation - <u>Security and criminal procedure law</u> Artificial intelligence and the digitization of criminal justice Digital investigations Blockchain forensics and tools to counter crypto-crimes - <u>Security and criminal law</u> Cybersecurity and cybercrime Algorithms and criminal law - <u>Security and private law</u> Class actions and other mechanisms of collective enforcement of rights The use of new technologies to facilitate access to justice - <u>Civil Procedure and Security</u> The role of civil procedure in managing risk and uncertainty in litigation Procedural challenges raised by emerging technologies (e.g., AI, cybersecurity, data breaches) Interim measures and precautionary instruments as safeguards in security-sensitive disputes

	<ul style="list-style-type: none"> - <u>Security and labour law</u> Employer accountability techniques Virtual reality and metaverse as drivers of change in Labour Law Algorithm discrimination in the labour market - <u>Security and Economic Law</u> Digital finance and the challenges of regulating innovative markets, products and services while maintaining stability, client protection and efficient markets Sustainability of economic activities and their financing, including the role of digital finance in coping with the obstacles observed in the sustainable finance market and regulation (sustainable digital finance). - <u>Security and international law</u> The Private International Law of Secured Transactions Cyber War and Cyber Security in International Law - <u>Security and EU law</u> Common commercial policy and EU regulation of strategic assets (energy, food, infrastructures, data, dual use-items, etc.) Common security and defence policy EU Space of freedom, security and justice
Information on references	<ul style="list-style-type: none"> - Coordinator of the PhD Programme Prof. Serena Cattari DICCA, Via Montallegro 1 Genova serena.cattari@unige.it - Coordinator of the curriculum Prof. Giorgio Afferni DIGI, Via Balbi 22, Genova (+39) 3356063568 giorgio.afferni@unige.it - Administrative contact of the curriculum Dott.ssa M. Stefania Lavezzo Via Balbi 22, Genova (+39) 0102095436, int. 55436 maria.Stefania.Lavezzo@unige.it
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 11270)

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.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	22.07.2025 11.30 a.m. (CEST) , 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 project2. Research experiences and scientific publications3. 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 11271)

Course Coordinator: Valenti Paola	
Department of Classical Studies, Philosophy and History (Dipartimento di Antichità, Filosofia e Storia – DAFIST)	
Places: 8 (°) – Grants: 6 (*)	
(*) 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 (°) 2 places reserved to employees of FORMULES s.r.l., Milano *** 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; Places (2) reserved to employees of FORMULES s.r.l. refers only to the CURRICULUM OF ART HISTORY. N.B.: APPLICANTS MUST SPECIFY ON THE PROJECT TITLE PAGE WHICH TYPE OF GRANT THEY INTEND TO APPLY FOR.	
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 22.07.2025, at 9.00 am (CEST) ; only admitted candidates living abroad will be permitted to connect remotely (using Microsoft TEAMS). Further information regarding the admission interview will be communicated only to the selected candidates after 19.07.2025.
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; 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 Themes are published on the website of the Phd Programme: https://starch.dottorato.unige.it/
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	For further information on this curriculum, send an email to: stefano.gardini@unige.it

Course Coordinator: Valenti Paola	
Department of Classical Studies, Philosophy and History (Dipartimento di Antichità, Filosofia e Storia – DAFIST)	
Places: 8 (°) – Grants: 6 (*)	
(*) 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 (°) 2 places reserved to employees of FORMULES s.r.l., Milano *** 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; Places (2) reserved to employees of FORMULES s.r.l. refers only to the CURRICULUM OF ART HISTORY. N.B.: APPLICANTS MUST SPECIFY ON THE PROJECT TITLE PAGE WHICH TYPE OF GRANT THEY INTEND TO APPLY FOR.	
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 22.07.2025, at 9.00 am (CEST) ; only admitted candidates living abroad will be permitted to connect remotely (using Microsoft TEAMS). Further information regarding the admission interview will be communicated only to the selected candidates after 19.07.2025.
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; 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	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 Themes are published on the website of the Phd Programme: https://starch.dottorato.unige.it/
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	For further information on the curriculum, send an email to: stefano.gardini@unige.it

Course Coordinator: Valenti Paola	
Department of Classical Studies, Philosophy and History (Dipartimento di Antichità, Filosofia e Storia – DAFIST)	
Places: 8 (°) – Grants: 6 (*)	
(*) 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 (°) 2 places reserved to employees of FORMULES s.r.l., Milano *** 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; Places (2) reserved to employees of FORMULES s.r.l. refers only to the CURRICULUM OF ART HISTORY. N.B.: APPLICANTS MUST SPECIFY ON THE PROJECT TITLE PAGE WHICH TYPE OF GRANT THEY INTEND TO APPLY FOR.	
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 22.07.2025, at 9.00 am (CEST) ; only admitted candidates living abroad will be permitted to connect remotely (using Microsoft TEAMS). Further information regarding the admission interview will be communicated only to the selected candidates after 19.07.2025.
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; 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	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	<p>Research Themes are published on the website of the Phd Programme: https://starch.dottorato.unige.it/</p> <p>Research topics for the two positions reserved for employees of FORMULES s.r.l (°):</p> <p>a) "<i>Alla Pace</i>': <i>The De Rossi Printshop and the Print Economy in Seventeenth-Century Rome</i>"</p> <p>b) "<i>The Remondinis of Bassano and the International Print Market between the 17th and 18th Centuries: Publishing Strategies, Trade Networks, and Foreign Influences</i>"</p>
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 of this curriculum, send an email to: Stefano.gardini@unige.it</p>

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 Zoe Gestione Servizi Culturali SC a.r.l. , Research project: <i>Near Present: The Role of Contemporary Art in La Spezia</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	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	<p>The interview of admitted candidates will take place at the University of Genova, via Balbi 2-4, on 22.07.2025, at 9.00 am (CEST); only admitted candidates living abroad will be permitted to connect remotely (using Microsoft TEAMS).</p> <p>Further information regarding the admission interview will be communicated only to the selected candidates after 19.07.2025.</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>Near Present: The Role of Contemporary Art in La Spezia</i>
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 [1]

Dottorato di “interesse nazionale” in convenzione con: Università degli Studi di FOGGIA, Università degli Studi di MESSINA, Università degli Studi di PALERMO, Università per Stranieri di PERUGIA, Università degli Studi di TORINO, Università degli Studi di Napoli Federico II, Università della VAL D'AOSTA

Curriculum: MULTILEVEL GOVERNANCE AND FUNDAMENTAL RIGHTS (CODE 11276)

Course Coordinator: Guasconi Maria Eleonora	
Scienze politiche e internazionali (DiSPI)	
Places: 6 (°) – Grants: 3 (*) [2]	
The research projects can be viewed under grants details at: https://studieuropei.dottorato.unige.it/	
(*) 1 grant funded by the University of Genova; the annual amount of the scholarship, gross of social security contributions payable by the recipient, is €16,500; (*) 1 grant funded by the proposing associated partner (University of Naples Federico II); the annual amount of the scholarship, gross of social security contributions payable by the recipient, is €16,500; (*) 1 grant funded by the proposing associated partner (University of Foggia), the annual amount of the grant, gross of social security contributions payable by the recipient, is €16,500; (°) 1 place reserved for employees of Fondazione Carige of Genova; [2] (°) 1 place reserved for employees of Renergetica Spa; (°) 1 place reserved for employees of Redelfi Spa.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	21.07.2025 at 9.00 am (CEST) 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	<ul style="list-style-type: none"> - 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

[1] PhD course added after the publication of the Notice of competition (D.R. 2409 dated 6.06.2025)

[2] Information updated after the publication of the Notice of competition (D.R. 2409 dated 6.06.2025)

Course: EUROPEAN STUDIES – Italian national doctorate [1]

Dottorato di “interesse nazionale” in convenzione con Università degli Studi di FOGGIA, Università degli Studi di MESSINA, Università degli Studi di PALERMO, Università per Stranieri di PERUGIA, Università degli Studi di TORINO, Università degli Studi di Napoli Federico II, Università della VAL D'AOSTA

Curriculum: EUROPEAN ECONOMIC AND SOCIAL POLICIES (CODE 11277)

Course Coordinator: Guasconi Maria Eleonora	
Scienze politiche e internazionali (DiSPI)	
Places: 12 (°) – Grants: 6 (*) [2]	
The research projects can be viewed under grants details at: https://studieuropei.dottorato.unige.it/	
(*) 2 grants funded by the Department (DiSPI) as part of the DIAMETROIT research project (Diachronic analysis of social structure in Italian Metropolitan Areas: a comparative-historical research and open access database for urban studies (website), funded by the Italian National Research Council); the annual amount of the grant, gross of social security contributions payable by the recipient, is €16,500 (CUP D53C24005530001); (*) 1 grant funded by the University of Genova; the annual amount of the scholarship, gross of social security contributions payable by the recipient, is €16,500; (*) 1 grant MUR/Department co-funded by Ansaldo Energia under condition of signing the agreement, the annual amount of the scholarship, gross of social security contributions payable by the recipient, is €16,500; (*) 1 grant funded by the proposing associated partner (University of Turin), the annual amount of the scholarship, gross of social security contributions payable by the recipient, is €16,500; (*) 1 grant funded by the proposing associated partner (University of Val d'Aosta); the annual amount of the scholarship, gross of social security contributions payable by the recipient, is €16,500; (°) 2 places reserved for employees of ASP Brignole; (°) 1 place reserved for employees of Hospital Galliera of Genova; (°) 2 places reserved for employees of Liguria Ricerche; (°) 1 place reserved for employees of Fondazione Carige of Genova. [2]	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	21.07.2025 at 9.00 am (CEST) 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 - European economic governance - Gender equality - Regional economy - Urban sociology - Sociology of communication - Evolution of the social structure in Italian metropolitan areas - Artificial intelligence for public administration - Impacts of demographic change
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] PhD course added after the publication of the Notice of competition (D.R. 2409 dated 6.06.2025)

[2] Information updated after the publication of the Notice of competition (D.R. 2409 dated 6.06.2025)

Course: EUROPEAN STUDIES – Italian national doctorate [1]

Dottorato di “interesse nazionale” in convenzione con Università degli Studi di FOGGIA, Università degli Studi di MESSINA, Università degli Studi di PALERMO, Università per Stranieri di PERUGIA, Università degli Studi di TORINO, Università degli Studi di Napoli Federico II, Università della VAL D'AOSTA

Curriculum: EUROPEAN ECONOMIC AND SOCIAL POLICIES (CODE 11283)

Course Coordinator: Guasconi Maria Eleonora	
Scienze politiche e internazionali (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 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. Research project: Artificial intelligence and new technologies applied to mutual health insurance companies.	
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	21.07.2025 at 9.00 am (CEST) 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	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"> - 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	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

[1] PhD course added after the publication of the Notice of competition (D.R. 2409 dated 6.06.2025)

Course: EUROPEAN STUDIES – Italian national doctorate [1]

Dottorato di “interesse nazionale” in convenzione con Università degli Studi di FOGGIA, Università degli Studi di MESSINA, Università degli Studi di PALERMO, Università per Stranieri di PERUGIA, Università degli Studi di TORINO, Università degli Studi di Napoli Federico II, Università della VAL D'AOSTA

Curriculum: HISTORY OF THE IDEA OF EUROPE AND OF EUROPEAN INTEGRATION (CODE 11278)

Course Coordinator: Guasconi Maria Eleonora	
Scienze politiche e internazionali (DiSPI)	
Places: 12 (°) – Grants: 7 (*)	
The research projects of the universities can be viewed under grants details at: https://studieuropei.dottorato.unige.it/	
(*) 1 grant funded by the University of Genova; the annual amount of the scholarship, gross of social security contributions payable by the recipient, is €16,500; (*) 1 grant funded by the Department (DiSPI) of the University of Genova as part of the research project “Exit Strategy: mettersi in gioco per uscire dalle dipendenze” funded by Regione Liguria under condition of the transfer of funds to DiSPI; the annual amount of the grant, gross of social security contributions payable by the recipient, is €16,500; (*) 1 grant funded by the proposing associated partner (University of Messina); the annual amount of the scholarship, gross of social security contributions payable by the recipient, is €16,500; (*) 1 grant is funded by the proposing associated partner (University for foreigners of Perugia); the annual amount of the scholarship, gross of social security contributions payable by the recipient, is €16,500; (*) 1 grant is funded by the proposing associated partner (University of Palermo); the annual amount of the scholarship, gross of social security contributions payable by the recipient, is €16,500; (*) 1 grant co-funded by the University of Genova and the Department for Equal Opportunities of the Presidency of the Council of Ministers under condition of the project and funding approval, on the topic “The Matilda Effect: the history of scientific discoveries stolen from women”; the annual amount of the scholarship, gross of social security contributions payable by the recipient, is €16,500; (*) 1 grant co-funded by the Department (DiSPI) and the Department for Equal Opportunities of the Presidency of the Council of Ministers under condition of the project and funding approval, on the topic “The role of women scientists in the European political and scientific establishment”, the annual amount of the scholarship, gross of social security contributions payable by the recipient, is €16,500; (°) 1 place reserved for employees of the Istituto Luigi Sturzo in Rome; (°) 2 places reserved for employees of the Municipality of Belgioioso (PV); (°) 1 place is reserved for employees of AREL in Rome; (°) 1 place reserved for employees of the University Unilink in Rome.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	21.07.2025 at 9.00 am (CEST) 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	<ul style="list-style-type: none"> - History of the idea of Europe - 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] PhD course added after the publication of the Notice of competition (D.R. 2409 dated 6.06.2025)