Disclaimer: Please note that only the Italian version of the present call for applications, issued with Rector's Decree 5015 dated 12.11.2026, is legally binding, the English version is provided for informational purposes only. The original Italian version is available at https://unige.it/usg/it/dottorati-di-ricerca

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Course: ARCHITECTURE AND DESIGN

Curriculum: ARCHITECTURE (CODE 12424)

Course Coordinator: Giberti Massimiliano	
Department of Architecture and Design (Dipartimento di Architettura e Design - DAD)	
Places: 2 – **Grants**: 0	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND EXAM
Written test	**20.01.2027 – time 9.30 (CET)** The written test and interview will take place in person.
Interview	**21.01.2027 – time 9.30 (CET)** The written test and interview will take place 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	Written examination assessing the candidate's ability to analyse and critically evaluate key issues within the disciplines covered by the project. Interview concerning the research project submitted, the research topics of the PhD programme, and the performance in the written examination. English language proficiency test
Research Themes	The research topics are: • Research project without a grant: **Decoding urban data to support decision-making. Indicators, maps and dashboards for smart city urban policies.** • Research project without a grant: **Alpine Atlas. The Alpine region as a paradigm of the contemporary world, its crises and its possibilities** • 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/
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 12425)

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 DIBRIS Department under Line 1 of the Compagnia di San Paolo's "Paving the Way to Research Excellence, Talent Attraction and Results Valorization" call to support the project entitled "From single neuron to brain: multi-level strategy and digital twins for personalized prediction of treatment", 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	**20.01.2027 at 09:00 (CET)** 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: 1. Patient-derived neuronal networks for personalized prediction of treatment.
	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_26_27
Foreign Languages	English
Further Information	- 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 For further information about the research themes please contact: Prof. Paolo Massobrio paolo.massobrio@unige.it

Corso: BIOENGINEERING AND ROBOTICS
In agreement with the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia – IIT)

Curriculum: BIONANOTECHNOLOGY (CODE 12426)

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 **€ 19.500**	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS
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: 1. Ultrafast Spectroscopies and nanoscale sensor for Single-Molecule Analysis in Biology and Medicine. 2. Smart Microscopy with photon-resolved and wide-field imaging 3. Photon-resolved microscopy for multiplexed single-molecule localisation For further details check: https://biorob.phd.unige.it/how-to-apply https://www.iit.it/phd
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_26_27.
Foreign Languages	English
Further Information	- 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 For further information about the research themes please contact: Dr. Giuseppe Vicidomini (IIT) giuseppe.vicidomini@iit.it

Course: COMPUTER SCIENCE AND SYSTEMS ENGINEERING

Curriculum: INFORMATICA/COMPUTER SCIENCE (CODE 12427)

Course Coordinator: Delzanno Giorgio	
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 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 **18.01.2027 at 9.00 AM (CET)** at DIBRIS, via Dodecaneso 35, Genoa. The schedule of video conference interviews will be fixed according to the availability of the commission members.
Further information on how to present qualifications and publications	**Curriculum vitae:** candidates must present a curriculum vitae with clear indications on the qualifications acquired with relative grades, research experience, publications, awards and work experience. **Research project:** candidates must submit a research project with clear indication of the following information: research theme or macro-theme; 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
Exam Syllabus	The comparative procedure consists of - an assessment of the candidate qualifications - an interview to verify background and knowledge of the candidate as well as motivations and goals of the research proposal submitted with the application.
Research Themes	The research project must contain a clear indication of the research topic, and a DIBRIS research group of reference. Themes for DIBRIS PhD Positions: 1. Extended Reality and Human–Machine Interaction for Augmentative and Alternative Communication and Exergaming in People with Cognitive and Motor Disabilities. 2. Multimodal Machine Learning for Multiple Sclerosis Progression. 3. Efficient LLM Post-Training via Zeroth-Order Optimization and Evolution Strategies. The projects proposed by DIBRIS research groups 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: https://bit.ly/CSSE_26_27 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

Course: INFORMATICA E INGEGNERIA DEI SISTEMI/COMPUTER SCIENCE AND SYSTEMS ENGINEERING

Curriculum: INGEGNERIA DEI SISTEMI/SYSTEMS ENGINEERING (CODE 12428)

Course Coordinator: Delzanno Giorgio	
Department of Informatics, Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi – DIBRIS)	
Places: 1 (°) - **Grants**: 0	
(°) 1 position reserved for Bellerofonte S.r.l. employees	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	Interviews are scheduled on **18.01.2027 at 9.00 AM (CET)** 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: research theme or macro-theme; reference DIBRIS research group. **Instructions and suggestions** for the submission of the research proposal are available at the URL https://csse.phd.unige.it/admission.
Exam Syllabus	The comparative procedure consists of • an assessment of the candidate qualifications • an interview to verify background and knowledge of the candidate as well as motivations and goals of the research proposal submitted with the application.
Research Themes	The research project must contain a clear indication of the research topic, and a DIBRIS research group of reference. Themes for the PhD positions for Bellerofonte S.r.l. employees: - Application of artificial intelligence and machine learning to the optimization and management of after-sales processes in the B2B industrial sector. For a complete description of the research Topics proposed check: 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: https://bit.ly/CSSE_26_27 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: MECHANICAL, ENERGY AND MANAGEMENT ENGINEERING

Curriculum: ECONOMICS AND MANAGEMENT (CODE 12429)

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	**22.01.2027 10:00 am (CET)** at the Department of Mechanical, Energy, Management and Transport Engineering (DIME), MEC section, via All'Opera Pia 15 / a, Genoa or online. The interview can take place on a motivated request also electronically (video conference via MsTeams) by contacting in time the resume contact person, Prof. Silvano Cincotti (silvano.cincotti@unige.it) and for information the coordinator of the doctorate Prof. Giovanni Berselli (giovanni.berselli@unige.it) specifying the candidate's name and surname and curriculum vitae to which it refers (EM)
Further information on how to present qualifications/publications	Further information on Qualifications/publications must contain a detailed explanation and the planning of the development of a possible research project concerning one of the syllabuses of the field Economy and Management Economics, Finance, Management (EM.1, EM.2, EM3), in order to evaluate the candidate's ability to organize and carry out research. If admitted to the doctoral course, the candidate will carry out his/her activity within the syllabus chosen for his/her project, but not necessarily on the specific activities described in the actual project submitted. The research project (min. 8,000 max. 16,000 strokes including spaces and punctuation) must comprise: - the research title; - field state of the art and relative bibliographic references; - objectives and expected results. In addition to the documentation that must be submitted by means of the online procedure, the following information, if present, will also be taken into consideration: - the title of the thesis dissertation of the Specialist/II level Degree/Master of Science/Master of Engineering together with a brief description (max. 4,000 strokes including spaces and punctuation); - a list of the exams done with the number of credits, marks and syllabuses (max 500 strokes including spaces and punctuation for each course); - any other qualifications/publications relevant to the application and scientific activity carried out; - a letter that states aptitude and motivations and the advancement expectations of the candidate submitting the application.
Exam Syllabus	The interview will focus on the discussion of the project, the qualifications presented by the candidate and on all the specific themes bound to the Economy and Management syllabus.
Research Themes	The curriculum in Economics and Management (EM) offers to candidates advanced training and preparation to conduct research at the intersection of economics, management and finance. The EM curriculum aims at developing professionals who are able to carry out, in these fields, advanced research in universities and international research institutions, manufacturing and service companies, credit and finance sectors, policy maker institutions, regulatory authorities and other public bodies. Research questions address fundamental and actual themes with emphasis on sustainability, resilience, responsibility, change and transformation in the society. The Ph.D. programme allows the candidate to develop a sound methodological background and multidisciplinary knowledge by developing qualitative, quantitative and computational approaches in economics, management and finance. Three main research Areas are addressed. **EM1 Economics** The Economics Area uses economic theory and models to study issues arising in the industrial, financial, innovation and business domains at both national and international level with the emphasis on quantitative methods for microeconomic, macroeconomic and policy effectiveness analysis. Research activities are conducted at multiple levels of analysis, including households, firms, sectors, banks, countries, policy makers and regulatory bodies. Specific attention is paid to the foundations of policy design and coordination, of economic decisions and of managerial processes. Theories and models are empirically based and are tested using multiple methodologies. Quantitative methods are used for the purposes of testing theories and of

	developing models for the study of economic systems and specific attention is dedicated to agent-based computational models and computational experiments on artificial economies. The goal is to determine the regularities and the emerging properties in economic systems and to evaluate the impacts of policy and regulatory measures as the result of the behaviors and of the interactions of heterogeneous 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. **EM2 Finance** 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. **EM 3 Management** 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. Attentions 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.
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 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.
Foreign Languages	English
Further Information	Coordinator of the PhD IMEG course: Prof. Giovanni Berselli DIME/MEC via all'Opera Pia 15/A 16145 Genova (+39) 0103352839 giovanni.berselli@unige.it Contact person for the EM curriculum: Prof. Silvano Cincotti DIME/DOGE via all'Opera Pia 15 16145 Genova (+39) 0103352080 silvano.cincotti@unige.it

Course: MECHANICAL, ENERGY AND MANAGEMENT ENGINEERING

Curriculum: MECHANICS, MEASUREMENTS AND MATERIALS (CODE 12430)

Course Coordinator: Berselli Giovanni	
Department of Mechanical, Energetics, Management and Transport Engineering (Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti – DIME)	
Places: 3 – **Grants**: 3 (*)	
(*) 1 grant co-funded 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 Fincantieri Spa, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00. (*) 1 grant funded by Department (DIME), the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500,00.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	**22.01.2027 10:00 am (CET)** at the Department of Mechanical, Energy, Management and Transport Engineering (DIME), MEC section, via All'Opera Pia 15 / a, Genoa or online. The interview can take place on a motivated request also electronically (video conference via MsTeams) by contacting in time the resume contact person & coordinator of the doctorate Prof. Giovanni Berselli (giovanni.berselli@unige.it) specifying the candidate's name and surname and curriculum vitae to which it refers (MMM)
Further information on how to present qualifications/publications	The qualifications/publications must contain a detailed explanation and the development plan of how to present a possible research project, quoting the Robotics and Mechatronics (RM) syllabus, and the field qualifications/pubblications it refers to, in order to evaluate the candidate's ability to organize and carry out research. If admitted to the doctoral course, the candidate will generally carry out his/her activity within the syllabus chosen for his/her project, but not necessarily on the specific activities described and planned in the actual project.
Exam Syllabus	The interview will focus on the discussion of the project, the qualifications presented by the candidate and on all the specific themes bound to the Mechanics, Measurements And Materials curriculum (MMM).
Research Themes	The Mechanics, Measurements and Materials (MMM) syllabus focuses on research themestypical of the Macrosectors it refers to. In particular the research themes suggested concern the functional and constructive design sector, CAD, CAE, PLM, PDM, additive manufacturing (polymer-based metals and composites (machine and material methods in combination), the mechanic behaviour of materials, materials and implants for medical, industrial and marin applications, calculus modelling and applications of composite components also for orthotics and biomedical applications, environmental compatibility and recycling, mechanical and mechatronic systems, motor vehicles, railway vehicles, airplanes, mechanical automation, working, raising and transport systems, lubrification, vibrations and noise, sound quality, experimental methods, diagnostics and qualifying of machines and components, monitoring and maintenance, reliability, reverse logistics. Titles of the scholarships -CAD/CAE Design of innovative grippers -Development and qualification of structural and functional materials for lower limb prosthetics -Design of architected materials for naval superstructures
Information on references	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the public notice, to the Coordinator Prof. Giovanni Berselli, at giovanni.berselli@unige.it. The name, status and service place of the referees chosen by the candidates must be stated in their applications.
Foreign Languages	English
Further Information	Coordinator of the PhD IMEG course: Prof. Giovanni Berselli DIME/MEC via all'Opera Pia 15/A 16145 Genova (+39) 0103352839 giovanni.berselli@unige.it

Course: TRANSLATIONAL AND CLINICAL INTERNAL MEDICINE

Curriculum: TRANSLATIONAL HAEMATOLOGY (CODE 12431)

<table>
<tr><td colspan="2">Course Coordinator: Ameri Pietro</td></tr>
<tr><td colspan="2">Department of Internal Medicine and Medical Specialities (Dipartimento di Medicina Interna e Specialità Mediche – DIMI)</td></tr>
<tr><td colspan="2">Places: 1 – Grants: 1 (*)</td></tr>
<tr><td colspan="2">(*) 1 grant funded by Menarini Stemline Italia S.r.l.; the annual gross amount, including social security expenses to be paid by the recipient, is € 16.500</td></tr>
<tr><td>Comparative assesment procedure</td><td>QUALIFICATIONS/PUBLICATIONS AND INTERVIEW</td></tr>
<tr><td>Interview</td><td>The interview will be held only in presence, on 20.01.2027 at 9.00 AM Rome time</td></tr>
<tr><td>Further information on how to present qualifications/publications</td><td>QUALIFICATIONS/PUBLICATIONS
A cover letter is mandatory, of 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

INTERVIEW
The candidate will be evaluated with respect to the following items:
• knowledge of the scientific literature regarding the research topics
• commitment
• overall understanding of the research area
• previous research experience
• ability to independently carry out a research project
• ability to work in a team

If the interview is not held in English, English proficiency will be assessed by reading and translation of an extract of a scientific article.</td></tr>
<tr><td>Research topics</td><td>- Molecular pathogenesis of multiple myeloma
- NAD metabolism in multiple myeloma
- Targeted therapies for multiple myeloma, including anti-CD38 immunotherapy</td></tr>
<tr><td>References</td><td>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, and to Prof. Roberto Lemoli email: roberto.lemoli@unige.it or Prof. Michele Cea, email: michele.cea@unige.it.
Note that reference letters do not confer any advantage or additional points during the evaluation process.</td></tr>
<tr><td>Foreign language</td><td>English</td></tr>
<tr><td>For further Information</td><td>Please contact:
Prof. Roberto Lemoli, email: roberto.lemoli@unige.it
Prof. Michele Cea, email: michele.cea@unige.it</td></tr>
</table>

Course: TRANSLATIONAL AND CLINICAL INTERNAL MEDICINE

Curriculum: ENDOCRINE AND METABOLIC DISORDERS AND OBESITY (CODE 12432)

Course Coordinator: Ameri Pietro	
Department of Internal Medicine and Medical Specialities (Dipartimento di Medicina Interna e Specialità Mediche – DIMI)	
Places: 1 – **Grants**: 1 (*)	
(*) 1 grant funded by Università degli Studi di Genova; the annual gross amount, including social security expenses to be paid by the recipient, is € 16.500	
Comparative assesment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	The interview will be held only in presence, on **20.01.2027 at 9.00** AM Rome time
Further information on how to present qualifications/publications	**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 **INTERVIEW** The candidate will be evaluated with respect to the following items: • knowledge of the scientific literature regarding the research topics • commitment • overall understanding of the research area • previous research experience • ability to independently carry out a research project • ability to work in a team If the interview is not held in English, English proficiency will be assessed by reading and translation of an extract of a scientific article.
Research topics	• 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	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, Prof. Federico Gatto, email: federico.gatto@unige.it, Prof. Mara Boschetti, email: mara.boschetti@unige.it, or Prof. Manuela Albertelli, email: manuela.albertelli@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. Diego Ferone, email: ferone@unige.it Prof. Federico Gatto, email: federico.gatto@unige.it Prof. Mara Boschetti, email: mara.boschetti@unige.it Prof. Manuela Albertelli, email: manuela.albertelli@unige.it

Course: NEUROSCIENCES

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

Curriculum: NEUROSCIENCES AND NEUROTECHNOLOGIES (CODE 12434)

<table>
<tr><td colspan="2">Coordinator: Nobili Lino</td></tr>
<tr><td colspan="2">Department of Neurosciences, Rehabilitation, Ophthalmology, Genetics and Mother and Child Sciences (Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili – DINOGMI)</td></tr>
<tr><td colspan="2">Places: 2 – Grants: 2 (*)</td></tr>
<tr><td colspan="2">(*) 2 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</td></tr>
<tr><td>Methods of comparative evaluation</td><td>QUALIFICATIONS/PUBLICATIONS</td></tr>
<tr><td>Further information on how to prepare the application</td><td>The following documents must be sent as described in the call text:
a) title and brief description of the degree thesis;
b) list of exams taken, with marks;
c) postgraduate research activities (including abstracts at conferences and scientific publications);
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;
e) names, qualifications 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:
panagiota.dimopoulou@iit.it
f) declaration of knowledge of English as used in the PhD school.</td></tr>
<tr><td>Research themes</td><td>IIT provides a description of research themes at www.iit.it/phd

1) Cellular mechanisms underlying the processing of sensory- and navigation-related information (€ 19.500)
Tutor: Tommaso Fellin (tommaso.fellin@iit.it)

Istituto Italiano di Tecnologia
Optical Approaches to Brain Function Laboratory
Center for Convergent Technologies (CCT)
Via Morego 30, Genova

2) Functionalized Polymeric Nanoparticles to reactivate the retinal ON-pathway in photoreceptor degeneration (€ 19.500)
Tutor: Fabio Benfenati (fabio.benfenati@iit.it)

Istituto Italiano di Tecnologia
Center for Synaptic Neuroscience and Technology
Centro di Biotecnologie Avanzate
IRCCS Ospedale Policlinico San Martino
Largo Rosanna Benzi 10 - 16132 Genova

PhD grant funded within the framework of the EIC Pathfinder Open “NanoFlash - Cell-targeted Biophotonic Nanoparticles for Vision Restoration”, funded by the European Innovation Council and SMEs Executive Agency (EISMEA) under the Horizon Europe programme, Grant Agreement No. 101257928 – CUP J53C25003480006.</td></tr>
<tr><td>Information about references</td><td>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:
panagiota.dimopoulou@iit.it
In the application, candidates have to list the name, position and affiliation of the chosen Referees.</td></tr>
<tr><td>Foreign language</td><td>English</td></tr>
</table>

Further information	For further information, please write to: panagiota.dimopoulou@iit.it

Course: PLANNING AND DECISION METHODS
(CODE 12435)

Course Coordinator: Sciomachen Anna Franca	
Department of Economics (Dipartimento di Economia – DIEC)	
Places: 1 – **Grants**: 1 (*)	
(*) 1 grant funded by Schneider Electric, 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	**22-01-2027, 9.45 a.m. (CET)** 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 (mail to: sciomach@economia.unige.it) not later than 08-01-2027 noon.
Further information on how to present qualifications/publications	The following qualifications will be evaluated: 1) master's degree grade and the relevance of the topic addressed in the master's thesis to the topics of interest for the doctoral program; 2) scientific publications; 3) curriculum vitae and academic record. The above qualifications will be evaluated based on criteria of merit, continuity over time, relevance to the topics of interest for the doctoral program, as well as the significance of individual qualifications in demonstrating aptitude for research.
Exam Syllabus	The interview, which will focus on a research proposal that candidates must present orally during the session, aims to assess: i) aptitude for research, including interdisciplinary research; ii) skills already acquired in subjects relevant to the doctoral program; iii) scientific analytical skills, including the ability to conduct original research, and presentation skills. The interview will be conducted in Italian and in English to assess the candidate's proficiency in the latter language. For candidates whose native language is not Italian, the interview will be conducted primarily in English, with an assessment of their knowledge of Italian.
Research Themes	Research topics must relate to planning models and methods, and their applications, pertaining to areas such as Operations Research, Industrial and Mechanical Engineering, Information Processing Systems, International and European Union Law, the Sociology of Political Phenomena, and Business Economics and Management. In particular, the research topic of interest will cover the following topic: Simulation-based design and resilience assessment of critical infrastructures in multidomain scenarios This PhD research aims to develop a decision methods framework for studying critical infrastructures, such as energy networks, data centres, industrial plants, and transport hubs, and to support their integrated design, protection and resilience assessment. The research will investigate how dependencies among infrastructure subsystems influence the propagation of disruptions, and how alternative configurations and management strategies affect the capability to maintain essential functions and recover from critical events. The methodological approach will follow the PLADEM PhD programme, combining Modelling and Simulation, Data Analytics and Artificial Intelligence in a closed loop with available real data to support informed decisions. The research will define a modular simulation architecture integrating models of physical processes and technical assets with representations of OT systems, operating procedures and decisions. For more detailed information, please visit the following website: https://pladem.phd.unige.it/home/
Information on references	Letter of recommendation: 1 to 3. Letters of recommendation, signed by experts or university professors, must be specifically written for the Ph.D. program in Planning and Decision Methods; the name of the program must therefore appear clearly in the letter, and the date must correspond to the period when the call for applications was issued. In the application for admission, candidates must indicate the name, title, and institution of the referees they have chosen. The content of the letters of recommendation must clearly demonstrate the candidate's aptitude for scientific research.
Foreign Languages	English

Course: ROBOTICS AND INTELLIGENT MACHINES – Italian national doctorate

Dottorato di "interesse nazionale" in convenzione con Libera Università di Bolzano, Università degli Studi della Campania "Luigi Vanvitelli", l'Università Campus Bio-Medico di Roma, Università degli Studi di Napoli Federico II, Università degli Studi di Palermo, Università di Pisa, Università Politecnica delle Marche, Università degli Studi del Sannio, Università degli Studi di Siena, Istituto Italiano di Tecnologia (IIT) e Fondazione AI4I "Istituto italiano di ricerca sull'intelligenza artificiale per l'industria

Curriculum: AGRIFOOD (CODE 12436)

Coordinator: Sgorbissa Antonio	
Department of Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi – DIBRIS)	
Places: 1 – **Grants**: 1 (*)	
(*) **Research Topic n. 1**, 1 grant funded by the Lucanian Agency for Development and Innovation in Agriculture (ALSIA), the annual amount of the scholarship, gross of social security contributions payable by the recipient, is **€ 17.500**.	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW **22.01.2027 at 15.00 (CET)** 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	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 marks (GPA or equivalent indicator); – specify **up to three research Topics** of their interest (see the research Topics listed below and at Admission – Drim – Irim (i-rim.it)); – submit **a motivation letter** (Research project) related to one (or more) of the research Topics selected; use the template available at: Admission – Drim – Irim (i-rim.it) ; – submit a **Curriculum Vitae** including all the technical scientific studies/activities already done and pertinent to the doctoral program; – submit **up to 3 recommendation letters** from university professors or recognized experts in the field supporting the candidate;

Research Topics	1. STUDY AND DEVELOPMENT OF INTELLIGENT PERCEPTION SYSTEMS FOR PLANT PHENOTYPING AND PRECISION AGRICULTURE – Lucanian Agency for Development and Innovation in Agriculture (ALSIA) For a complete description of the research Topics proposed check: Admission – Drim – Irim (i-rim.it)
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_26_27
Foreign Languages	English
Further Information	For more information about - 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

Corso: ROBOTICS AND INTELLIGENT MACHINES – Italian national doctorate
Dottorato di "interesse nazionale" in convenzione con Libera Università di Bolzano, Università degli Studi della Campania "Luigi Vanvitelli", l'Università Campus Bio-Medico di Roma, Università degli Studi di Napoli Federico II, Università degli Studi di Palermo, Università di Pisa, Università Politecnica delle Marche, Università degli Studi del Sannio, Università degli Studi di Siena, Istituto Italiano di Tecnologia (IIT) e Fondazione AI4I "Istituto italiano di ricerca sull'intelligenza artificiale per l'industria

Curriculum: AUTONOMOUS SYSTEMS (CODE 12437)

<table>
<tr><td colspan="2">Coordinator: Sgorbissa Antonio</td></tr>
<tr><td colspan="2">Department of Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi – DIBRIS)</td></tr>
<tr><td colspan="2">Places: 2 – Grants: 2 (*)</td></tr>
<tr><td colspan="2">(*) <u>Research Topic n. 1,</u>1 grant funded by the University of Pisa, the annual amount of the scholarship, gross of social security contributions payable by the recipient, is <u>€ 19.500</u>

(*) <u>Research topic n. 2</u>, 1 grant funded by FINCANTIERI S.p.A., the annual amount of the scholarship, gross of social security contributions payable by the recipient, is <u>€ 19.500</u>.</td></tr>
<tr><td>Comparative assessment procedure</td><td>QUALIFICATIONS/PUBLICATIONS AND INTERVIEW

19.01.2027 at 09.30 (CET)

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).</td></tr>
<tr><td>Further information on how to present qualifications/publications</td><td>Candidates <u>must</u>:

– 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;</td></tr>
</table>

	– submit **up to 3 recommendation letters** from university professors or recognized experts in the field supporting the candidate;
Research Topics	1. AI FOR MARITIME SENSING, PERCEPTION, AND DECISION SUPPORT – UNIVERSITY OF PISA 2. MISSION PLANNING AND AI-ENHANCED AUTONOMY FOR UNDERWATER APPLICATIONS – FINCANTIERI S.p.A. For a complete description of the research Topics proposed check: Admission – Drim – Irim (i-rim.it)
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_26_27
Foreign Languages	English
Further Information	For more information about - 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

ROBOTICS AND INTELLIGENT MACHINES – Italian national doctorate
Dottorato di "interesse nazionale" in convenzione con Libera Università di Bolzano, Università degli Studi della Campania "Luigi Vanvitelli", l'Università Campus Bio-Medico di Roma, Università degli Studi di Napoli Federico II, Università degli Studi di Palermo, Università di Pisa, Università Politecnica delle Marche, Università degli Studi del Sannio, Università degli Studi di Siena, Istituto Italiano di Tecnologia (IIT) e Fondazione AI4I "Istituto italiano di ricerca sull'intelligenza artificiale per l'industria

Curriculum: HEALTHCARE AND WELLNESS OF PERSONS (CODE 12438)

<table>
<tr><td colspan="2">Coordinator: Sgorbissa Antonio</td></tr>
<tr><td colspan="2">Department of Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi – DIBRIS)</td></tr>
<tr><td colspan="2">Places 5 – Grants: 5 (*)</td></tr>
<tr><td colspan="2">(*) <u>Research Topic n. 1</u>, 2 grants funded by the Italian Institute of Technology (IIT), Bando FIS – Fondo Italiano per la Scienza – PROCEDURA COMPETITIVA PER LO SVILUPPO DELLE ATTIVITÀ DI RICERCA FONDAMENTALE, A VALERE SUL FONDO ITALIANO PER LA SCIENZA 2024–2025 (BANDO FIS 3)" – MACROSETTORE PE – Physical Sciences and Engineering - "The Ergonomics Embodied: Predictive and Inter-Causal Representation of Mind and Body in Robot-Assisted Occupational Ergonomics" – EPIC project; Grant Agreement number: FIS-2024-026564; CUP: J53C25002230001, the annual amount of the scholarship, gross of social security contributions payable by the recipient, is <u>€ 19.500</u>

(*) <u>Research Topic n. 2</u>, 1 grant funded by the Campus Bio-Medico University of Rome, the annual amount of the scholarship, gross of social security contributions payable by the recipient, is <u>€ 19.500</u>.

(*) <u>Research Topic n. 3 and n. 4</u>, 2 grants funded by the AI4I Foundation (The Italian Institute of Artificial Intelligence for Industry), the annual amount of the scholarship, gross of social security contributions payable by the recipient, is <u>€ 19.500</u>.</td></tr>
<tr><td>Comparative assessment procedure</td><td>QUALIFICATIONS/PUBLICATIONS AND INTERVIEW

19.01.2027 at 09.00 (CET)

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).</td></tr>
<tr><td>Further information on how to present qualifications/publications</td><td>Candidates <u>must</u>:

– 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));</td></tr>
</table>

	– submit **a motivation letter** (Research project) related to one (or more) of the research Topics selected; use the template available at: Admission – Drim – Irim (i-rim.it) ; – submit a **Curriculum Vitae** including all the technical scientific studies/activities already done and pertinent to the doctoral program; – submit **up to 3 recommendation letters** from university professors or recognized experts in the field supporting the candidate;
Research Topics	1. AI-BASED HUMAN MOVEMENT ANALYSIS AND PERSONALIZED ASSESSMENT - ITALIAN INSTITUTE OF TECHNOLOGY (N. 2 POSITIONS) 2. SOFT WEARABLE ROBOTS FOR MOTION ASSISTANCE– CAMPUS BIO-MEDICO UNIVERSITY OF ROME 3. INTELLIGENT AND SAFE ROBOTIC SYSTEMS FOR HEALTHCARE AND MEDICAL APPLICATIONS - AI4I FOUNDATION 4. INTELLIGENT AND SAFE ROBOTIC SYSTEMS FOR HUMANOID AND LEGGED ROBOTS- AI4I FOUNDATION For a complete description of the research Topics proposed check: Admission – Drim – Irim (i-rim.it)
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_26_27
Foreign Languages	English
Further Information	For more information about - 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

Course: ROBOTICS AND INTELLIGENT MACHINES – Italian national doctorate
Dottorato di "interesse nazionale" in convenzione con Libera Università di Bolzano, Università degli Studi della Campania "Luigi Vanvitelli", l'Università Campus Bio-Medico di Roma, Università degli Studi di Napoli Federico II, Università degli Studi di Palermo, Università di Pisa, Università Politecnica delle Marche, Università degli Studi del Sannio, Università degli Studi di Siena, Istituto Italiano di Tecnologia (IIT) e Fondazione AI4I "Istituto italiano di ricerca sull'intelligenza artificiale per l'industria

Curriculum: HOSTILE AND UNSTRUCTURED ENVIRONMENTS (CODE 12439)

<table>
<tr><td colspan="2">Coordinator: Sgorbissa Antonio</td></tr>
<tr><td colspan="2">Department of Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi – DIBRIS)</td></tr>
<tr><td colspan="2">Places: 7 – Grants: 7 (*)</td></tr>
<tr><td colspan="2">(*) <u>Research Topics n. 1 and n. 2</u>, 2 grants funded by FINCANTIERI S.p.A., the annual amount of the scholarship, gross of social security contributions payable by the recipient, is <u>€ 19.500</u>.

(*) <u>Research Topic n. 3</u>, 1 grant funded by the AI4I Foundation (The Italian Institute of Artificial Intelligence for Industry), the annual amount of the scholarship, gross of social security contributions payable by the recipient, is <u>€ 19.500</u>.

(*) <u>Research Topic n. 4</u>, 2 grants funded by the University of Milano-Bicocca, the annual amount of the scholarship, gross of social security contributions payable by the recipient, is <u>€ 19.500</u>.

(*) <u>Research Topic n. 5,</u> 1 grant funded by the Italian Space Agency (ASI), the annual amount of the scholarship, gross of social security contributions payable by the recipient, is <u>€ 18.500</u>.

(*) <u>Research Topic n. 6,</u> 1 grant funded by University of Genova, the annual amount of the scholarship, gross of social security contributions payable by the recipient, is <u>€ 19.500</u>.</td></tr>
<tr><td>Comparative assessment procedure</td><td>QUALIFICATIONS/PUBLICATIONS AND INTERVIEW

22.01.2027 at 09:30 (CET)

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).</td></tr>
</table>

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 marks (GPA or equivalent indicator); – specify **up to three research Topics** of their interest (see the research Topics listed below and at Admission – Drim – Irim (i-rim.it)); – submit **a motivation letter** (Research project) related to one (or more) of the research Topics selected; use the template available at: Admission – Drim – Irim (i-rim.it) ; – submit a **Curriculum Vitae** including all the technical scientific studies/activities already done and pertinent to the doctoral program; – submit **up to 3 recommendation letters** from university professors or recognized experts in the field supporting the candidate;
Research Topics	1. UNDERWATER FOUNDATION MODEL FOR AUTONOMOUS MARINE SYSTEMS – FINCANTIERI S.p.A. 2. OPTIMIZATION OF DISTRIBUTED ACOUSTIC SENSING AND MULTISENSOR DATA FUSION – FINCANTIERI S.p.A. 3. INTELLIGENT AND SAFE ROBOTIC SYSTEMS FOR COMPLEX AND UNSTRUCTURED ENVIRONMENTS – AI4I FOUNDATION 4. LEARNING, REASONING, AND DECISION-MAKING IN HUMANS AND SOCIAL ARTIFICIAL SYSTEMS UNIVERSITY OF MILANO-BICOCCA (N. 2 POSITIONS) 5. HIERARCHICAL MULTI-AGENT REASONING AND SAFE MANIPULATION FOR MODULAR LUNAR ROBOTIC SYSTEMS –ASI-UNIVERSITY OF GENOVA 6. DESIGNING AND DEVELOPING HUMANOID ROBOT COMPANIONS – UNIVERSITY OF GENOVA For a complete description of the research Topics proposed check: Admission – Drim – Irim (i-rim.it)
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_26_27
Foreign Languages	English
Further Information	For more information about - 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 A step-by-step guideline for the application is available here: Instructions for submitting Phd application

Course: ROBOTICS AND INTELLIGENT MACHINES – Italian national doctorate
Dottorato di "interesse nazionale" in convenzione con Libera Università di Bolzano, Università degli Studi della Campania "Luigi Vanvitelli", l'Università Campus Bio-Medico di Roma, Università degli Studi di Napoli Federico II, Università degli Studi di Palermo, Università di Pisa, Università Politecnica delle Marche, Università degli Studi del Sannio, Università degli Studi di Siena, Istituto Italiano di Tecnologia (IIT) e Fondazione AI4I "Istituto italiano di ricerca sull'intelligenza artificiale per l'industria

Curriculum: MOBILITY AND AUTONOMOUS VEHICLES (CODE 12440)

<table>
<tr><td colspan="2">Coordinator: Sgorbissa Antonio</td></tr>
<tr><td colspan="2">Department of Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi – DIBRIS)</td></tr>
<tr><td colspan="2">Places: 1 (°) – Grants: 0</td></tr>
<tr><td colspan="2">(°) <u>Research Topic n. 1</u>, 1 place reserved for Leonardo S.p.A. employee</td></tr>
<tr><td>Comparative assessment procedure</td><td>QUALIFICATIONS/PUBLICATIONS AND INTERVIEW

22.01.2027 at 10.00 (CET)

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).</td></tr>
<tr><td>Further information on how to present qualifications/publications</td><td>Candidates <u>must</u>:

– 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;</td></tr>
</table>

Research Topics	1. TERRAIN-AWARE MAPPING AND AUTONOMOUS EXPLORATION OF MOBILE ROBOTS – place reserved for LEONARDO S.p.A. employee For a complete description of the research Topics proposed check: Admission – Drim – Irim (i-rim.it)
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_26_27
Foreign Languages	English
Further Information	For more information about - 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

Course: MARINE SCIENCES AND TECHNOLOGIES

Curriculum: LOGISTICS AND TRANSPORTATION (CODE 12441)

Course Coordinator: Vezzulli Luigi	
Centro del Mare	
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 (CIELI, DIEC), 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	**21.01.2027** Interviews will start **at 10 AM (CET)** 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 grant 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 2nd grant: Socio-economic assessment of mobility and logistics energy infrastructure
Information on references	No letters of reference are needed
Foreign Languages	English

Course: MARINE SCIENCES AND TECHNOLOGIES

Curriculum: MARINE ECOSYSTEM SCIENCES (CODE 12442)



Course Coordinator: Vezzulli Luigi	
Centro del Mare	
Places: 2 – **Grants**: 2 (*)	
(*) 1 grant funded within project LASER - "LCA; Sgusciatura; Economia Circolare; Riutilizzo (LASER)" — Programma di Filiera "SHELL WE...SEA THE FUTURE?!?", M2C1 – Investimento 3.4, Fondo Rotativo Contratti di Filiera (FCF) per il sostegno dei contratti di filiera per i settori agroalimentare, pesca e acquacoltura, silvicoltura, floricoltura e vivaismo, in attuazione del Piano Nazionale di Ripresa e Resilienza (PNRR) – Fondi NGEU, Decreto di concessione MASAF n. 0510796 del 1° ottobre 2025, CUP: B35C22023590001, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500 (*) 1 grant funded by 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	**18 January 2027 – 10:00 a.m.** at the Department of Earth, Environmental and Life Sciences (DISTAV), Building 9, Benthos Ecology Laboratory, Professor Chiantore's office, Viale Benedetto XV, 5 – Genoa. The interviews will be held in person or remotely for participants residing abroad.
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:** Biocompatibility assessment of scaffolds made from marine-derived matrices for regenerative medicine applications using in vitro and bioreactor systems. **Grant no. 2:** Spatial planning for the sustainable and integrated development of marine and coastal resources in Cabo Delgado Province, Mozambique. 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 must 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: CHEMICAL SCIENCES AND TECNOLOGIES (CODE 12443)

<table>
<tr><td colspan="2">Course Coordinator: Grotti Marco</td></tr>
<tr><td colspan="2">Department of Chemistry and Industrial Chemistry (Dipartimento di Chimica e Chimica Industriale – DCCI)</td></tr>
<tr><td colspan="2">Places: 4 – Grants: 4 (*)</td></tr>
<tr><td colspan="2">(*) 2 grants funded by DCCI Project FIS 3 Consolidator Grant DELPHI, FIS-2024-03509 – CUP: D53C25002460001, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500 (research themes 1-2).
(*) 1 grant funded by DCCI Project “Fluoride Recovery from Persistent Fluoroalkyl Pollutants with Tandem Solar Paints – LOOP” - CUP D53C25000770001- Codice progetto FIS-2023-01927 the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500 (research theme 3).
(*) 1 grant funded by the Italian Space Agency project “Tecnologie avanzate di manifattura additiva di polimeri e compositi ad alte prestazioni per l’aerospazio” (CUP: F33C26000820001), the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500 (research theme 4).</td></tr>
<tr><td>Comparative assessment procedure</td><td>QUALIFICATIONS/PUBLICATIONS AND INTERVIEW</td></tr>
<tr><td>Interview</td><td>25.01.2027 – 10:00 AM (CET) 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 20.01.2027 by e-mail to federico.locardi@unige.it (subject: PhD interview).</td></tr>
<tr><td>Further information on how to present qualifications/publications</td><td>Evaluable qualifications:
educational qualifications with marks;
transcript of records (list of exams with marks);
recommendation letters (maximum three);
research project written in English; the project proposal must not exceed 3 pages and should include the following sections:
Title
Introduction and State of the Art
Methodology
Expected Results
Impact
References
curriculum vitae et studiorum;
additional qualifications (postgraduate qualifications, publications in scientific journals, congress presentations, patents, study or research awards).
All candidates have to attach to the application the certificates related to all the academic qualifications, reporting the mark and duration of the study cycles. For students not yet graduated, who are admitted sub condicione, the presentation of the certificate is required with the marks obtained in the individual exams.
Foreign applicants must also clearly report the number of years corresponding to each cycle of studies carried out before enrolling in the University.
In case of admission to the doctorate, the candidate will carry out his research not necessarily in the specific activities described in the project he/she has presented.</td></tr>
<tr><td>Exam Syllabus</td><td>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.</td></tr>
<tr><td>Research Themes</td><td>1. Synthesis of persistent luminescence nanocrystals for optoelectronic applications.
2. Engineering of persistent luminescence nanocrystals for photovoltaics.
3. Synthesis and characterization of adsorbent materials and photocatalysts for the photoreductive degradation of perfluorinated compounds in water.
4. Advanced additive manufacturing technologies for high-performance polymers and composites for the aerospace sector.</td></tr>
</table>

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 federico.locardi@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	Dr Federico Locardi (research themes 1-2) +39 0103556093 federico.locardi@unige.it Dr Paola Lova (research theme 3) +39 0103536194 paola.lova@unige.it Prof. Dario Cavallo (research theme 4) +39 0103536086 dario.cavallo@unige.it Administrative contact person Dott. Jetona Tocilla (+39) 0103358728 dottorato_stcm@unige.it Ulteriori informazioni sui temi di ricerca: https://chimica.unige.it/en/calls

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 12444)

Course Coordinator: Grotti Marco	
Department of Chemistry and Industrial Chemistry (Dipartimento di Chimica e Chimica Industriale – DCCI)	
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	**20.01.2027 – 9:30 AM (CET)**, at Dipartimento di Farmacia (DIFAR), viale Cembrano 4, 16148 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 11.01.2027 by e-mail to: sara.baldassari@unige.it (**subject: PhD_interview**)
Further information on how to present qualifications/publications	Evaluable qualifications: • 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). All candidates have to attach to the application the certificates related to all the academic qualifications, reporting the mark and duration of the study cycles. For students not yet graduated, who are admitted sub condicione, the presentation of the certificate is required with the marks obtained in the individual exams. Foreign applicants must also clearly report the number of years corresponding to each cycle of studies carried out before enrolling in the University. In case of admission to the doctorate, the candidate will carry out his research not necessarily in the specific activities described in the project he/she has presented.
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 candidate's attitude to develop a scientific project. During the presentation the Committee will ascertain the candidate knowledge of English language.
Research Themes	Design and development of: biomimetic nanodispersed systems for drug delivery and drug targeting; carrier systems for tracers intended for therapeutic or diagnostic imaging applications; microdispersed, matrix, bioadhesive, or floating systems for localized drug delivery.
Information on references	The 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 sara.baldassari@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.ssa Sara Baldassari (+39) 010 335 2640 sara.baldassari@unige.it Administrative contact person Dott. Jetona Tocilla (+39) 0103358728 dottorato_STCM@unige.it

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

Curriculum: ELECTRICAL ENGINEERING (CODE 12445)

Course Coordinator: Marchesoni Mario	
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 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	**21.01.2027 – 9.00 am (CET)** Telematic mode (Microsoft Teams or similar software) by contacting Prof. Andrea Formentini, e-mail andrea.formentini@unige.it, within the day before the interview
Further information on how to present qualifications/publications	Applicants will have to submit: 1) a research project up to 10 pages long; 2) an updated CV; 3) a short abstract of the master's thesis, if available. Candidates who have not yet graduated must present the list and the marks of the exams passed in the master's degree program up to the moment of submission of the application.
Exam Syllabus	Interview on the submitted research project, the PhD course topics, and the candidate's specific interests in the field. English language test.
Research Themes	(A) Automation: industry, process and transport. Manufacturing plants modeling. Management, monitoring and control of electrical systems. Innovative techniques and optimization for electromagnetic device design. Electric drives for robotics, manufacturing automation and processes. Advanced instrumentation and fieldbus applications. (B) Energy: Protection from electrostatic hazard. Insulation defects evaluation with partial discharge measurement. Technical-economic evaluations for the energy market. Distributed generation. Quality of service. Optimization algorithms, distribution management systems, load forecasts and renewable energy resources, with methods based on artificial intelligence, data mining, big data and probabilistic safety assessment. Switches, machines, electric actuators and magnetic devices for energy storage. Static energy converters. (C) Electronics: Modeling of power electronic systems and components. Advanced control techniques for converters. Electrostatic discharge protection systems for electronic devices. Complex systems modeling. Analysis and synthesis of circuits and nonlinear dynamic systems. Neural networks. Electronic systems design. (D) Electromagnetic compatibility among electrical, power electronic and communications systems. Modeling, simulation and measurement methods. Lightning current numerical modeling. Electromagnetic modeling with full Maxwell approach. (E) Transport: Modeling for RAMS predictive analysis. Electrified systems for public transport. Energy management of electric and hybrid vehicles. Electric traction motor diagnostics. Electric drives for rail traction, road and ship propulsion. (F) Environment: Numerical simulation and measurement and field reduction techniques. Optimized design of low emission devices. Low environmental impact systems.
Information on references	Candidates must choose not less than one and not more than three referees to support the application. These referees must be university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the public notice, to Prof. Andrea Formentini at the following address: andrea.formentini@unige.it The name, status and service place of the referees chosen by the candidates must be stated in their applications.
Foreign Languages	English

Further Information	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; 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

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

Curriculum: COMPLEX SYSTEMS FOR MOBILITY (CODE 12446)

Course Coordinator: Marchesoni Mario	
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 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	**21.01.2027 – 2.00 pm (CET)** Telematic mode (Skype or similar software) by contacting Prof. Andrea Formentini, e-mail andrea.formentini@unige.it, within the day before the interview.
Further information on how to present qualifications/publications	Applicants will have to submit: 1) a research project up to 10 pages long; 2) an updated CV; 3) a short abstract of the master's thesis, if available. Candidates who have not yet graduated must present the list and the marks of the exams passed in the master's degree program up to the moment of submission of the application.
Exam Syllabus	Interview on the submitted research project, the PhD course topics, and the candidate's specific interests in the field. English language test.
Research Themes	(A) Complex systems in electrical and naval engineering: electrical networks, naval systems, automation systems. (B) Intelligent mobility of people and goods: planning aspects (for example relating to local public transport, city logistics, etc.), simulation, of "intelligent" transport systems (infomobility, AVM, V2V, V2I communication, etc.), evaluation of the transport external costs. (C) Maritime and marine transport systems: systems to support navigation safety and development of technologies and planning systems to support European policies of "Integrated Coastal Zone Management" and "Maritime Spatial Planning". (D) Components and technological systems for means of transport that allow to reduce the external costs of transport and to raise safety levels: electric propulsion systems for road or rail electric and hybrid vehicles, management of the energy flows of such vehicles, modeling for predictive RAMS analysis, traffic management and control systems in constrained driving systems, electronics and electric traction drives. (E) Modeling of complex systems: formulation / identification of mathematical models (starting from experimental data) and their analysis and numerical simulation. The models will mainly refer to the electrical and naval sector, but they also may concern more general problems whose solution is of application interest for these sectors (for example, electrical activity of neuron networks or circuits).
Information on references	Candidates must choose not less than one and not more than three referees to support the application. These referees must be university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the public notice, to Prof. Andrea Formentini at the following address: andrea.formentini@unige.it. The name, status and service place of the referees chosen by the candidates must be stated in their applications.
Foreign Languages	English

Further Information	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; Laura Brunelli University of Genova DITEN (Department of Electrical, Electronics and Telecommunication Engineering and Naval Architecture) Via all'Opera Pia 11a, I-16145 - Genova, Italy brunelli@dinav.unige.it tel: +39 0103532286; fax: + 39 0103532777 tel: +39 0103532286; fax: + 39 0103532777

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 12447)

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 by Department (DITEN), the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 17.500.	
Comparative assesment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	**18.01.2027 - 09.30 am CET** at the Electrical, Electronics and Telecommunication Engineering and Naval Architecture Department (DITEN), University of Genova, Via Opera Pia 11A – 16145 Genova or alternatively by telematic mode through videoconference
Further information on how to present qualifications/publications	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. 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. A possible outline for the presentation of the research project plan, which must not exceed 10 pages, is the following: - 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 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. 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 XLII cycle
Research Theme	Edge AI for Perception in Autonomous Systems
Information on references	Applicants are required to indicate **a minimum of one and a maximum of three referees** in support of their application. Referees must be university faculty members or experts with recognized qualifications in the relevant field. Reference letters must be submitted directly by the referees, under their sole responsibility, no later than the application deadline, to the following email address: maurizio.valle@unige.it . The subject line of the email must include the following wording: **"Ph.D. STIET XLII cycle_Candidate Name_reference letter"**. Reference letters must be prepared on the official letterhead of the referee's affiliated institution, signed with a handwritten (original) signature, and bear the official stamp of the institution affixed over or alongside the signature. The duly signed letters must be converted into electronic format and submitted to maurizio.valle@unige.it as PDF files. The content of the reference letters must clearly demonstrate the candidate's aptitude for scientific research.
Foreign Languages	English

Further Information	Prof. Maurizio Valle DITEN - Università di Genova Via Opera Pia 11A 16145, Genova, Italy maurizio.valle@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 12448)

Course Coordinator: Cattari Serena	
Centro Strategico Interdipartimentale su Sicurezza, Rischio e Vulnerabilità	
Places: 2 (°) – **Grants**: 1 (*)	
(*) 1 grant funded by FBK Foundation, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 19.500,00. (°) 1 position is reserved for SITAV S.p.A. employees	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	**25.01.2027 at 8:00 (CET)** remotely on Zoom (ID: 89775422163 - Passcode: 692113) 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 ● 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	1. Applications of Zero-Knowledge Proofs (FBK) 2. Reliable AI, Physical AI and Digital Twins for Advanced Railway Maintenance and Asset Management (position reserved for SITAV S.p.A. employees).
Information on references	Candidates must choose no less than 2 and no more than 3 references in support of their application. These references must be university professors or subject matter experts. If the reference is not a university professor, a Curriculum Vitae and a list of publications from the reference are required. It is the responsibility of the references to send the reference letters to the Curriculum Coordinator at the following address: luca.oneto@unige.it, by the application deadline. In the admission application, candidates must provide the full name, position, and affiliation of the chosen references. Reference letters that are not submitted as requested will not be considered.
Foreign Languages	English
Further Information	Curriculum Coordinator Prof. Luca Oneto DIBRIS, Opera Pia 11a, Genova luca.oneto@unige.it PhD Course Web Page http://sicurezza.unige.it

Course: EUROPEAN STUDIES – Italian national doctorate

Dottorato di "interesse nazionale" in convenzione con: Università degli Studi di FOGGIA, Uniuversità degli Studi dell'INSUBRIA, Università degli Studi di MESSINA, Università degli Studi di PALERMO, Università di PERUGIA, Università per Stranieri di PERUGIA, Università degli Studi di Napoli Federico II, Università della VAL D'AOSTA

Curriculum: MULTILEVEL GOVERNANCE AND FUNDAMENTAL RIGHTS (CODE 12449)

Course Coordinator: Guasconi Maria Eleonora	
Scienze politiche e internazionali (DiSPI)	
Places: 3 – Grants: 3 (*)	
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 Insubria) 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 Perugia Stranieri), the annual amount of the grant, gross of social security contributions payable by the recipient, is €16,500	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	**21.01.2027 at 9.30 am (CET)** online on the platform Teams. The code to access the platform will be published after 7 January 2027 on the PhD website: https://studieuropei.dottorato.unige.it/
Further information on how to present qualifications/publications	Along with the application, candidates must attach their curriculum vitae, duly signed, setting out their qualifications, any publications deemed relevant to the assessment, and a research proposal consistent with the research themes of the chosen PhD programme. The research proposal must set out the objectives, methodology and expected results of the research, as well as brief bibliographical references, and must not exceed 15,000 characters (excluding spaces). A separate ranking list will be drawn up for each scholarship. The candidate must expressly indicate, in the research proposal or in the application form, up to two scholarships for which they intend to apply, in order of preference. Should the candidate fail to provide this information, the Commission will assign the application to the scholarship or scholarships deemed most consistent with the research proposal submitted, taking into account the research topic and the scientific-disciplinary field of the scholarship in question. On the basis of the same criteria, should any places remain unallocated following the selection procedures, the Commission may assign eligible candidates who were not successful to other rankings within the same programme. Foreign candidates are required to provide evidence of Italian language proficiency at B2 level.
Exam Syllabus	The interview will focus on the research project and publications submitted by the applicant and the research topics of the applicant's chosen curriculum. Foreign language proficiency will be ascertained at the end of the interview.
Research Themes	- Protection of fundamental rights in the European area - Economic governance and supranational integration processes - Federalizing process and interordination relations in multilevel systems - Fundamental rights and new technologies - Political participation, political representation and fundamental rights - Security and rights - Environment, sustainability and fundamental rights
Information on references	Letters of reference are not required. Their submission, if any, will not be considered by the evaluation committee.
Foreign Languages	English
Further Information	For more information, including specific reference to the titles and themes of the grants, applicants may consult the website https://studieuropei.dottorato.unige.it/ or contact via email: studieuropei.dottorato@unige.it

Corso: STUDI EUROPEI – Italian National Doctorate

Dottorato di "interesse nazionale" in convenzione con: Università degli Studi di FOGGIA, Uniuversità degli Studi dell'INSUBRIA, Università degli Studi di MESSINA, Università degli Studi di PALERMO, Università di PERUGIA, Università per Stranieri di PERUGIA, Università degli Studi di Napoli Federico II, Università della VAL D'AOSTA

Curriculum: EUROPEAN ECONOMIC AND SOCIAL POLICIES (CODE 12450)

Course Coordinator: Guasconi Maria Eleonora	
Scienze politiche e internazionali (DiSPI)	
Places: 1 – **Grants**: 1 (*)	
The research projects can be viewed under grants details at: https://studieuropei.dottorato.unige.it/ (*) 1 grant funded by the University of Genoa, gross of social security contributions payable by the recipient, is €16,500	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	**21.01.2027 at 9.30 am (CET)** online on the platform Teams. The code to access the platform will be published after 07/01/2027 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	- 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

Course: EUROPEAN STUDIES – Italian national doctorate

Dottorato di "interesse nazionale" in convenzione con: Università degli Studi di FOGGIA, Uniuversità degli Studi dell'INSUBRIA, Università degli Studi di MESSINA, Università degli Studi di PALERMO, Università di PERUGIA, Università per Stranieri di PERUGIA, Università degli Studi di Napoli Federico II, Università della VAL D'AOSTA

Curriculum: HISTORY OF THE IDEA OF EUROPE AND OF EUROPEAN INTEGRATION (CODE 12451)

Course Coordinator: Guasconi Maria Eleonora	
Scienze politiche e internazionali (DiSPI)	
Places: 3 (°) – **Grants**: 0	
The research projects of the universities can be viewed under grants details at: https://studieuropei.dottorato.unige.it/ (°) 1 place reserved for employees of Fondazione Magna Charta in Rome; (°) 2 places reserved for employees of Associazione Emiliana Centri Autonomi AECA of Bologna	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	**21 January 2027 at 9.30 am (CET)** online on the platform Teams. The code to access the platform will be published after 7 January 2027 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. Should the candidate fail to provide this information, the Commission will assign the application to the scholarship or scholarships deemed most consistent with the research proposal submitted, taking into account the research topic and the scientific-disciplinary field of the scholarship in question. On the basis of the same criteria, should any places remain unallocated following the selection procedures, the Commission may assign eligible candidates who were not successful to other rankings within the same programme. 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	- 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 euroskeptic 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 https://studieuropei.dottorato.unige.it/ or contact via email: studieuropei.dottorato@unige.it