

**Disclaimer:** Please note that only the Italian version of the present call for applications, issued with Rector's Decree No. 4067 of 20.09.2021, 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 in: BIOENGINEERING AND ROBOTICS**

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

**Curriculum: ADVANCED AND HUMANOID ROBOTICS (CODICE 8860)**

<b>Coordinator:</b> Cannata Giorgio	
Department of IT, Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi – DIBRIS)	
<b>Places:</b> 6 – <b>Grants:</b> 6 (*)	
(*) 6 grants funded by Foundation of the Italian Institute of Technology (IIT), the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00.	
<b>Comparative assessment procedure</b>	QUALIFICATIONS/PUBLICATIONS
<b>Further information on how to present qualifications/publications</b>	<p>Candidates must submit:</p> <ul style="list-style-type: none"> <li>- 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.</li> <li>- the specific research themes candidates want to be evaluated on (see the list of research themes listed below and on the doctorate website: <a href="http://phd.dibris.unige.it/biorob/index.php/how-to-apply">http://phd.dibris.unige.it/biorob/index.php/how-to-apply</a>);</li> <li>- a project proposal related to one (or more) of the research themes offered (please use the template available at the website: <a href="http://phd.dibris.unige.it/biorob/index.php/how-to-apply">http://phd.dibris.unige.it/biorob/index.php/how-to-apply</a>);</li> <li>- a curriculum vitae et studiorum including all the technical scientific studies/activities already done and pertinent to the doctoral programme;</li> <li>- endorsement letters (maximum 3) from university professors or recognized experts in the field supporting the candidate.</li> <li>- the Candidate Summary Profile form available at <a href="http://phd.dibris.unige.it/biorob/index.php/how-to-apply">http://phd.dibris.unige.it/biorob/index.php/how-to-apply</a>.</li> </ul>
<b>Research Themes</b>	<ul style="list-style-type: none"> <li>– Agile and Efficient Robot Design and Actuation Principles (N Tsagarakis)</li> <li>– Object grasping and manipulation with dexterous hands (L Natale)</li> <li>– Virtual Reality and Machine Learning for falling simulation and detection (N Deshpande)</li> <li>– Data processing using ML techniques for fall detection and prediction (J Ortiz)</li> <li>– Development of Robot Learning by Demonstration via Sim-to-Real Technologies for Assisting Human Daily Life Activities Using Bimanual Mobile Manipulation Robots (F Chen)</li> <li>– Design of a cable-driven hyper-redundant robot for industrial inspection (C Canali)</li> </ul>
<b>Information on references</b>	<p>Candidates must choose not less than one and not more than three referees to endorse their candidature. The referees must be university professors or recognized experts in the field, and must send the reference letters (specifying their name, role and affiliation), within the deadline of the public notice, to the Coordinator of the Doctoral Course at the following address: <a href="mailto:phd.biorob@dibris.unige.it">phd.biorob@dibris.unige.it</a>.</p>
<b>Foreign Languages</b>	English
<b>Further Information</b>	<ul style="list-style-type: none"> <li>- The detailed description of the research themes can be found at the following links: <a href="http://phd.dibris.unige.it/biorob/index.php/how-to-apply">http://phd.dibris.unige.it/biorob/index.php/how-to-apply</a> <a href="https://www.iit.it/phd">https://www.iit.it/phd</a></li> <li>- The template for the research project can be found at the following link: <a href="http://phd.dibris.unige.it/biorob/index.php/how-to-apply">http://phd.dibris.unige.it/biorob/index.php/how-to-apply</a></li> <li>- The candidate summary profile form can be found at the following link: <a href="http://phd.dibris.unige.it/biorob/index.php/how-to-apply">http://phd.dibris.unige.it/biorob/index.php/how-to-apply</a></li> </ul> <p>For further information about the research themes please contact:</p> <p>Dr. Nikos Tsagarakis: <a href="mailto:nikos.tsagarakis@iit.it">nikos.tsagarakis@iit.it</a>  Dr. Lorenzo Natale: <a href="mailto:lorenzo.natale@iit.it">lorenzo.natale@iit.it</a>  Dr. Nikhil Deshpande: <a href="mailto:nikhil.deshpande@iit.it">nikhil.deshpande@iit.it</a>  Dr. Jesus Ortiz: <a href="mailto:jesus.ortiz@iit.it">jesus.ortiz@iit.it</a>  Dr. Fei Chen : <a href="mailto:fei.chen@iit.it">fei.chen@iit.it</a>  Dr. Carlo Canali: <a href="mailto:carlo.canali@iit.it">carlo.canali@iit.it</a></p>

**Course in: BIOENGINEERING AND ROBOTICS****In agreement with the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia – IIT)****Curriculum: BIONANOTECHNOLOGY (CODE 8861)**

<b>Coordinator:</b> Cannata Giorgio	
Department of IT, Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi – DIBRIS)	
<b>Places:</b> 1 – <b>Grants:</b> 1 (*)	
(*) 1 grant funded by Foundation of the Italian Institute of Technology (IIT), the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00.	
<b>Comparative assessment procedure</b>	QUALIFICATIONS/PUBLICATIONS
<b>Further information on how to present qualifications/publications</b>	<p>Candidates must submit:</p> <ul style="list-style-type: none"> <li>- 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.</li> <li>- the specific research themes candidates want to be evaluated on (see the list of research themes listed below and on the doctorate website: <a href="http://phd.dibris.unige.it/biorob/index.php/how-to-apply">http://phd.dibris.unige.it/biorob/index.php/how-to-apply</a>);</li> <li>- a project proposal related to one (or more) of the research themes offered (please use the template available at the website: <a href="http://phd.dibris.unige.it/biorob/index.php/how-to-apply">http://phd.dibris.unige.it/biorob/index.php/how-to-apply</a>);</li> <li>- a curriculum vitae et studiorum including all the technical scientific studies/activities already done and pertinent to the doctoral programme;</li> <li>- endorsement letters (maximum 3) from university professors or recognized experts in the field supporting the candidate.</li> <li>- the candidate summary profile form available at <a href="http://phd.dibris.unige.it/biorob/index.php/how-to-apply">http://phd.dibris.unige.it/biorob/index.php/how-to-apply</a>.</li> </ul>
<b>Research Themes</b>	New Developments in Advanced Light Microscopy (G Vicidomini)
<b>Information on references</b>	Candidates must choose not less than one and not more than three referees to endorse their candidature. The referees must be university professors or recognized experts in the field, and must send the reference letters (specifying their name, role and affiliation), within the deadline of the public notice, to the Coordinator of the Doctoral Course at the following address: <a href="mailto:phd.biorob@dibris.unige.it">phd.biorob@dibris.unige.it</a>
<b>Foreign Languages</b>	English
<b>Further Information</b>	<ul style="list-style-type: none"> <li>- The detailed description of the research themes can be found at the following link: <a href="http://phd.dibris.unige.it/biorob/index.php/how-to-apply">http://phd.dibris.unige.it/biorob/index.php/how-to-apply</a> <a href="https://www.iit.it/phd">https://www.iit.it/phd</a></li> <li>- The template for the research project can be found at the following link: <a href="http://phd.dibris.unige.it/biorob/index.php/how-to-apply">http://phd.dibris.unige.it/biorob/index.php/how-to-apply</a></li> <li>- The candidate summary profile form can be found at the following link: <a href="http://phd.dibris.unige.it/biorob/index.php/how-to-apply">http://phd.dibris.unige.it/biorob/index.php/how-to-apply</a></li> </ul> <p>For further information about the research themes please contact: Dr. Giuseppe Vicidomini (IIT) <a href="mailto:giuseppe.vicidomini@iit.it">giuseppe.vicidomini@iit.it</a></p>

**Course in: BIOENGINEERING AND ROBOTICS****In agreement with the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia – IIT)****Curriculum: COGNITIVE ROBOTICS, INTERACTION AND REHABILITATION TECHNOLOGIES (CODE 8862)**

<b>Coordinator:</b> Cannata Giorgio	
Department of IT, Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi – DIBRIS)	
<b>Places:</b> 1 – <b>Grants:</b> 1 (*)	
(*) 1 grant funded by Foundation of the Italian Institute of Technology (IIT), the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00.	
<b>Comparative assessment procedure</b>	QUALIFICATIONS/PUBLICATIONS
<b>Further information on how to present qualifications/publications</b>	<p>Candidates must submit:</p> <ul style="list-style-type: none"> <li>- 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.</li> <li>- the specific research themes candidates want to be evaluated on (see the list of research themes listed below and on the doctorate website: <a href="http://phd.dibris.unige.it/biorob/index.php/how-to-apply">http://phd.dibris.unige.it/biorob/index.php/how-to-apply</a>) ;</li> <li>- a project proposal related to one (or more) of the research themes offered (please use the template available at the website: <a href="http://phd.dibris.unige.it/biorob/index.php/how-to-apply">http://phd.dibris.unige.it/biorob/index.php/how-to-apply</a>);</li> <li>- a curriculum vitae et studiorum including all the technical scientific studies/activities already done and pertinent to the doctoral programme;</li> <li>- endorsement letters (maximum 3) from university professors or recognized experts in the field supporting the candidate.</li> <li>- the Candidate Summary Profile form available at <a href="http://phd.dibris.unige.it/biorob/index.php/how-to-apply">http://phd.dibris.unige.it/biorob/index.php/how-to-apply</a>.</li> </ul>
<b>Research Themes</b>	Development of new SSD for visually impaired individuals
<b>Information on references</b>	Candidates must choose not less than one and not more than three referees to endorse their candidature. The referees must be university professors or recognized experts in the field, and must send the reference letters (specifying their name, role and affiliation), within the deadline of the public notice, to the Coordinator of the Doctoral Course at the following address: <a href="mailto:phd.biorob@dibris.unige.it">phd.biorob@dibris.unige.it</a> .
<b>Foreign Languages</b>	English
<b>Further Information</b>	<ul style="list-style-type: none"> <li>- The detailed description of the research themes can be found at the following link: <a href="http://phd.dibris.unige.it/biorob/index.php/how-to-apply">http://phd.dibris.unige.it/biorob/index.php/how-to-apply</a> <a href="https://www.iit.it/phd">https://www.iit.it/phd</a></li> <li>- The template for the research project can be found at the following link: <a href="http://phd.dibris.unige.it/biorob/index.php/how-to-apply">http://phd.dibris.unige.it/biorob/index.php/how-to-apply</a></li> <li>- The candidate summary profile form can be found at the following link: <a href="http://phd.dibris.unige.it/biorob/index.php/how-to-apply">http://phd.dibris.unige.it/biorob/index.php/how-to-apply</a></li> </ul> <p>For further information about the research themes please contact: Dr. Monica Gori (IIT) <a href="mailto:monica.gori@iit.it">monica.gori@iit.it</a></p>

<b>Coordinator:</b> Roberta Massabò	
Department of Civil, Chemical and Environmental Engineering (Dipartimento di Ingegneria civile, chimica e ambientale – DICCA)	
<b>Places:</b> 1 (°) – <b>Grants:</b> 0	
<p>(°) 1 position covered with Research Grant as per the amount foreseen within the European project H2020-MSCA-COFUND-2020 “CLOE - Training to complexity: multidisciplinary approaches to rural and mountain sustainable development and conservation” GA n. 101034449. For more details, see the Marie Skłodowska Curie COFUND project website at <a href="https://cloe.dp.unige.it">https://cloe.dp.unige.it</a>. For CLOE COFUND project, the position is reserved to early-stage researchers (ESRs): researchers must be in their first 4 years of research career at the date of the recruitment and not have been already awarded a PhD degree before. ESRs have also to satisfy the ‘mobility rule’: they must not have resided or carried out their main activity (work, study etc.) in Italy for more than 12 months in the three years prior to the date of recruitment. Compulsory national service, short stays such as holidays and time spent under a procedure to obtain refugee status under the Geneva Convention are not taken into account for the calculation.</p>	
<b>Comparative assessment procedure</b>	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
<b>Interview</b>	<p>Date, hour and how the interview will be carried out will be published by 28.09.2021 on the web page <a href="https://unige.it/usg/it/dottorati-di-ricerca">https://unige.it/usg/it/dottorati-di-ricerca</a></p> <p>The interview will take place electronically, contacted by Prof.ssa Bianca Federici (<a href="mailto:bianca.federici@unige.it">bianca.federici@unige.it</a>).</p> <p>Candidates must have a reliable Internet connection to allow for the test to be carried out.</p>
<b>Further information on how to present qualifications/publications</b>	<p>The application (curriculum) must contain Transcripts of Records, stating the courses attended and marks obtained throughout the candidate's university career (Bachelor and M.Sc. degrees; Laurea Triennale and Magistrale degrees). The transcripts of Records must be official documents released by the universities which awarded the degrees. Undergraduate candidates at the deadline of the public notice may submit further documentation, which they deem appropriate, in order to document their university career.</p> <p>The knowledge of foreign languages certified by an international certificate (TOEFL, CPE, CAE, FCE, ...) attached to the cv would be an asset.</p>
<b>Required documents for CLOE project</b>	<p>Applicants will have to submit their application by filling in the requested information and uploading the following documents in PDF format:</p> <ul style="list-style-type: none"> <li>• a copy of a Valid Passport/ID;</li> <li>• a translation of the academic qualifications duly notarized by the Italian diplomatic or consular office of the Country in which the qualifications were obtained and Declaration of Value of the qualifications prepared by the Italian diplomatic-consular Representatives, that is located in the Country where the qualifications were obtained. If the Italian diplomatic or consular office does not provide the documentation in time for the application, applicants should enclose all the documentation available (e.g. degree certificates, transcript of records);</li> <li>• in case of qualifications issued by an EU country, previous documents may be replaced by the Diploma Supplement delivered by the University which has issued the title, according to the standards of the EU and UNESCO/CEPES;</li> <li>• Master thesis extended abstract (max.10 pages);</li> <li>• Curriculum Vitae;</li> <li>• Letter of Motivation;</li> <li>• a self-declaration to demonstrate that they respect the MSCA mobility rule, the ESR definition, and the English language proficiency (IELTS scores, TOEFL results, or proof of a degree awarded in English</li> <li>• Research project proposal;</li> <li>• Ethics self-assessment (through the form available at the following link: <a href="https://cloe.dp.unige.it/en/application_package">https://cloe.dp.unige.it/en/application_package</a></li> <li>• up to three letters of reference;</li> <li>• Publication(s)/Patent(s)(optional; max 5).</li> </ul> <p><a href="https://cloe.dp.unige.it/en/application_package">https://cloe.dp.unige.it/en/application_package</a></p>

<b>Exam Syllabus</b>	<p>The interview will be a detailed scientific discussion on the candidate's research project (10 pages max), Curriculum Vitae et Studiorum (10 pages max) and qualifications/publications (10 pages max). The interview is also aimed at verifying that the candidate has adequate knowledge to deal with studies in the chosen curriculum.</p> <p>Further information on the submission of the applications are available on the project website at the following link <a href="https://cloe.dp.unige.it">https://cloe.dp.unige.it</a></p>
<b>Research Themes</b>	<p>The research themes are those of the curriculum in “Fluid Dynamics and Environmental Engineering”; they are described in details on the course web page: <a href="http://dottorato.dicca.unige.it/eng/fluamb/">http://dottorato.dicca.unige.it/eng/fluamb/</a></p> <p>The research project (10 pages max) must include the candidate's research interests and motivations, a short abstract, the State of the Art and relevant references and the objectives of the research activity.</p> <p>The candidate has to choose one of the two proposed themes for the preparation of the research project:</p> <p>Research Theme 1 H2020-MSCA-COFUND2020: Hydrogeological risk analysis and mitigation by sustainable countermeasures and interdisciplinary approaches for the territory protection and the community resilience improvement;</p> <p>Research Theme 2 H2020-MSCA-COFUND2020: Decision support systems in fragile and orographically complex contexts subject to significant hydrogeological events</p> <p>Further information on research themes and on the project proposal structure are available on the project's website at the following link: <a href="https://cloe.dp.unige.it">https://cloe.dp.unige.it</a>.</p>
<b>Information on references</b>	<p>Candidates must choose at least one and no more than three referees to support their candidature. One of the referees must be the member of the curriculum committee (<a href="http://dottorato.dicca.unige.it/eng/info/staff/comitatofluamb.html">http://dottorato.dicca.unige.it/eng/info/staff/comitatofluamb.html</a>) with whom the research project has been agreed. The referees must be university professors or experts in the subject. The reference letter must be sent by the referee, within the deadline of the public notice, to the doctoral secretariat at <a href="mailto:dottorato.dicca@unige.it">dottorato.dicca@unige.it</a>.</p> <p>If the referee is not a university professor, he/she must also send the Curriculum Vitae and a list of publications. The name, status and current position of the referees chosen by the candidate must be stated in the application.</p> <p>Reference letters that are not presented as requested will not be taken into consideration.</p>
<b>Foreign Languages</b>	English
<b>Further Information</b>	<p><a href="http://dottorato.dicca.unige.it/eng/">http://dottorato.dicca.unige.it/eng/</a></p> <p>Prof.ssa Bianca Federici: <a href="mailto:bianca.federici@unige.it">bianca.federici@unige.it</a></p>

**Course in: ECONOMICS AND POLITICAL ECONOMY  
(CODE 8864)**

<b>Coordinator:</b> Bottasso Anna	
Department of Economics (Dipartimento di Economia – DIEC)	
<b>Places:</b> 1 (°) – <b>Grants:</b> 0	
<p>(°) 1 position covered with Research Grant as per the amount foreseen within the European project H2020-MSCA-COFUND-2020 “CLOE - Training to complexity: multidisciplinary approaches to rural and mountain sustainable development and conservation” GA n. 101034449. For more details, see the Marie Skłodowska Curie COFUND project website at <a href="https://cloe.dp.unige.it">https://cloe.dp.unige.it</a>. For CLOE COFUND project, the position is reserved to early-stage researchers (ESRs): researchers must be in their first 4 years of research career at the date of the recruitment and not have been already awarded a PhD degree before. ESRs have also to satisfy the ‘mobility rule’: they must not have resided or carried out their main activity (work, study etc.) in Italy for more than 12 months in the three years prior to the date of recruitment. Compulsory national service, short stays such as holidays and time spent under a procedure to obtain refugee status under the Geneva Convention are not taken into account for the calculation.</p>	
<b>Comparative assessment procedure</b>	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
<b>Interview</b>	Date, hour and how the interview will be carried out will be published by 28.09.2021 on the web page <a href="https://unige.it/usg/it/dottorati-di-ricerca">https://unige.it/usg/it/dottorati-di-ricerca</a>
<b>Required documents for CLOE project</b>	<p>Applicants will have to submit their application by filling in the requested information and uploading the following documents in PDF format:</p> <ul style="list-style-type: none"> <li>• a copy of a Valid Passport/ID;</li> <li>• a translation of the academic qualifications duly notarized by the Italian diplomatic or consular office of the Country in which the qualifications were obtained and Declaration of Value of the qualifications prepared by the Italian diplomatic-consular Representatives, that is located in the Country where the qualifications were obtained. If the Italian diplomatic or consular office does not provide the documentation in time for the application, applicants should enclose all the documentation available (e.g. degree certificates, transcript of records);</li> <li>• in case of qualifications issued by an EU contry, previous documents may be replaced by the Diploma Supplement delivered by the University which has issued the title, according to the standards of the EU and UNESCO/CEPES;</li> <li>• Master thesis extended abstract (max.10 pages);</li> <li>• Curriculum Vitae;</li> <li>• Letter of Motivation;</li> <li>• a self-declaration to demonstrate that they respect the MSCA mobility rule, the ESR definition, and the English language proficiency (IELTS scores, TOEFL results, or proof of a degree awarded in English</li> <li>• Research project proposal;</li> <li>• Ethics self-assessment (through the form available at the following link: <a href="https://cloe.dp.unige.it/en/application_package">https://cloe.dp.unige.it/en/application_package</a></li> <li>• up to three letters of reference;</li> <li>• Publication(s)/Patent(s)(optional; max 5).</li> </ul> <p><a href="https://cloe.dp.unige.it/en/application_package">https://cloe.dp.unige.it/en/application_package</a></p>
<b>Exam Syllabus</b>	Discussion of CV and reasearch project. More details on <a href="https://cloe.dp.unige.it">https://cloe.dp.unige.it</a> .
<b>Research Themes</b>	<p>The candidate must choose his/her project on one of the following topic:</p> <p>Topic 1 H2020-MSCA-COFUND2020: Development of theoretical and applied models to integrate ecosystem-economics accounting for valuing and monitoring biodiversity conservation and sustainable development and non-compensatory indicators to support decision-making processes</p> <p>Topic 2 H2020-MSCA-COFUND2020: Choice modelling techniques and cost-benefit analysis for policy design and environmental economic valuation supporting ecological transition and sustainable development</p> <p>The projects on the two CLOE topics mentioned above will be developed within the PhD program in Economics in which the candidate will be enrolled and in which he/she will be required to follow the courses and take the examinations foreseen.</p> <p>More details on <a href="https://cloe.dp.unige.it">https://cloe.dp.unige.it</a>.</p>
<b>Information on references</b>	Up to 3 reference letters supporting the candidate can be sent to <a href="mailto:barbara.cavalletti@unige.it">barbara.cavalletti@unige.it</a>
<b>Foreign Languages</b>	English
<b>Further Information</b>	Prof. Barbara Cavalletti: <a href="mailto:barbara.cavalletti@unige.it">barbara.cavalletti@unige.it</a>

**Course in: PHILOSOPHY**

**Dottorato in convenzione tra il Consorzio Dottorato in Filosofia del Nordovest – FINO e le Università di Torino, Pavia, Genova, Piemonte Orientale**

**Curriculum: ETHICS AND POLITICAL THEORY (CODE 8865)**

<b>Coordinator:</b> : Anna Elisabetta Galeotti	
Università degli Studi di Genova - Università degli Studi del Piemonte Orientale (UPO)	
<b>Places:</b> 1 (°) – <b>Grants:</b> 0	
<p>(°) 1 position covered with Research Grant as per the amount foreseen within the European project H2020-MSCA-COFUND-2020 “CLOE - Training to complexity: multidisciplinary approaches to rural and mountain sustainable development and conservation” GA n. 101034449. For more details, see the Marie Skłodowska Curie COFUND project website at <a href="https://cloe.dp.unige.it">https://cloe.dp.unige.it</a>. For CLOE COFUND project, the position is reserved to early-stage researchers (ESRs): researchers must be in their first 4 years of research career at the date of the recruitment and not have been already awarded a PhD degree before. ESRs have also to satisfy the ‘mobility rule’: they must not have resided or carried out their main activity (work, study etc.) in Italy for more than 12 months in the three years prior to the date of recruitment. Compulsory national service, short stays such as holidays and time spent under a procedure to obtain refugee status under the Geneva Convention are not taken into account for the calculation.</p>	
<b>Comparative assessment procedure</b>	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
<b>Interview</b>	<p>Date, hour and how the interview will be carried out will be published by 28.09.2021 on the web page <a href="https://unige.it/usg/it/dottorati-di-ricerca">https://unige.it/usg/it/dottorati-di-ricerca</a></p> <p>No letters will be sent out stating admittance to the interview, therefore one must check at the link <a href="http://www.fino.unige.it">www.fino.unige.it</a>.</p>
<b>Further information on how to present qualifications/publications</b>	(°) For <b>CLOE COFUND PROJECT</b> , further information on the submission of the applications are available on the project website at the following link <a href="https://cloe.dp.unige.it">https://cloe.dp.unige.it</a>
<b>Required documents for CLOE project</b>	<p>Applicants will have to submit their application by filling in the requested information and uploading the following documents in PDF format:</p> <ul style="list-style-type: none"> <li>• a copy of a Valid Passport/ID;</li> <li>• a translation of the academic qualifications duly notarized by the Italian diplomatic or consular office of the Country in which the qualifications were obtained and Declaration of Value of the qualifications prepared by the Italian diplomatic-consular Representatives, that is located in the Country where the qualifications were obtained. If the Italian diplomatic or consular office does not provide the documentation in time for the application, applicants should enclose all the documentation available (e.g. degree certificates, transcript of records);</li> <li>• in case of qualifications issued by an EU country, previous documents may be replaced by the Diploma Supplement delivered by the University which has issued the title, according to the standards of the EU and UNESCO/CEPES;</li> <li>• Master thesis extended abstract (max.10 pages);</li> <li>• Curriculum Vitae;</li> <li>• Letter of Motivation;</li> <li>• a self-declaration to demonstrate that they respect the MSCA mobility rule, the ESR definition, and the English language proficiency (IELTS scores, TOEFL results, or proof of a degree awarded in English</li> <li>• Research project proposal;</li> <li>• Ethics self-assessment (through the form available at the following link: <a href="https://cloe.dp.unige.it/en/application_package">https://cloe.dp.unige.it/en/application_package</a></li> <li>• up to three letters of reference;</li> <li>• Publication(s)/Patent(s)(optional; max 5).</li> </ul> <p><a href="https://cloe.dp.unige.it/en/application_package">https://cloe.dp.unige.it/en/application_package</a></p>
<b>Research Themes</b>	<p>Research Theme 1 H2020-MSCA-COFUND2020: Territorial justice and fair geographical distribution of resources across urban/mountain areas</p> <p>Research Theme 2 H2020-MSCA-COFUND2020: Theorising individual and communal rights to stay in marginalised mountain areas</p> <p>(°) Further information on research themes and on the project proposal structure are available on the project’s website at the following link: <a href="https://cloe.dp.unige.it">https://cloe.dp.unige.it</a>.</p>
<b>Foreign Languages</b>	English



<b>Information on references</b>	Candidates must choose up to three referees to support their application. These contacts must be university professors or experts in the field. The referents will be responsible for sending the reference letters within the deadline of the call to the e-mail address: <a href="mailto:fino@unige.it">fino@unige.it</a> The names, status and work place of the referees chosen by the candidates must be stated in the applications.
<b>Further Information</b>	Prof.ssa Valeria Ottonelli <a href="mailto:vottonel@nous.unige.it">vottonel@nous.unige.it</a> <a href="http://www.fino.unige.it">www.fino.unige.it</a>

**Course in: PHYSICS AND NANOSCIENCES****In agreement with the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia – IIT)****Curriculum: PHYSICS (CODE 8866)**

<b>Coordinator:</b> Ferrando Riccardo	
Department of Physics (Dipartimento di Fisica – DIFI)	
<b>Places:</b> 1 – <b>Grants:</b> 1 (*)	
(*) 1 grant funded by Foundation of the Italian Institute of Technology (IIT), the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00.	
<b>Comparative assessment procedure</b>	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
<b>Interview</b>	Date, hour and how the interview will be carried out will be published by 28.09.2021 on the web page <a href="https://unige.it/usg/it/dottorati-di-ricerca">https://unige.it/usg/it/dottorati-di-ricerca</a>  If a candidate has been admitted to the interview but cannot reach in time the place of the exam, the option of a video conferencing interview is available. To request this option it is necessary to send an email by 02/10/2021 to <a href="mailto:phd@fisica.unige.it">phd@fisica.unige.it</a> . The details about the connection will be in the answer to the email request.
<b>Further information on how to present qualifications/publications</b>	Each candidate must submit a description of the research project he/she intends to carry out during the three years of the PhD course. The project must be written in English. A maximum length of 6000 characters including spaces is allowed.
<b>Exam Syllabus</b>	<ul style="list-style-type: none"><li>- Discussion about the qualification of the candidate.</li><li>- Discussion of the Master's thesis.</li><li>- Presentation and discussion of the proposed research project.</li><li>- Interview on basic physics topics (general physics, modern physics).</li><li>- Verification of knowledge of the English language.</li></ul>
<b>Research Themes</b>	1 fellowship on Theoretical and computational condensed matter physics: materials with complex orders. Contact: Dr. Sergey Artyukhin, email <a href="mailto:sergey.artyukhin@iit.it">sergey.artyukhin@iit.it</a>  Further information available at <a href="https://www.iit.it/phd">https://www.iit.it/phd</a>
<b>Information on references</b>	Candidates must choose up to three referees to support their application. These contacts must be university professors or experts in the field. It is preferable that at least one contact belongs to the University of Genoa or to the affiliated research bodies (CNR/INFN/IIT). The referents will be responsible for sending the reference letters, preferably written in English, within the deadline of the call. The letters must be addressed to the attention of the course coordinator Prof. Riccardo Ferrando to the e-mail address: <a href="mailto:phd@fisica.unige.it">phd@fisica.unige.it</a> . The subject of the email must be: PHD REFERENCE LETTER – PHYSICS.
<b>Foreign Languages</b>	Excellent knowledge of both spoken and written English. A very basic knowledge of Italian is desirable.

**Course in: PHYSICS AND NANOSCIENCES****In agreement with the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia – IIT)****Curriculum: BIO-NANOSCIENCE (CODE 8867)**

<b>Coordinator:</b> Ferrando Riccardo	
Department of Physics (Dipartimento di Fisica – DIFI)	
<b>Places:</b> 3 – <b>Grants:</b> 3 (*)	
(*) 3 grants funded by Foundation of the Italian Institute of Technology (IIT), the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00.	
<b>Comparative assessment procedure</b>	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
<b>Interview</b>	Date, hour and how the interview will be carried out will be published by 28.09.2021 on the web page <a href="https://unige.it/usg/it/dottorati-di-ricerca">https://unige.it/usg/it/dottorati-di-ricerca</a>  If a candidate has been admitted to the interview but cannot reach in time the place of the exam, the option of a video conferencing interview is available. To request this option it is necessary to send an email by 02/10/2021 to <a href="mailto:phd@fisica.unige.it">phd@fisica.unige.it</a> . The details about the connection will be in the answer to the email request.
<b>Further information on how to present qualifications/publications</b>	The candidate must submit a description of the research project he/she intends to carry out during the three years of the PhD course. The project must be written in English. A maximum length of 6000 characters including spaces is allowed.
<b>Exam Syllabus</b>	<ul style="list-style-type: none"> <li>- Discussion about the qualification of the candidate.</li> <li>- Discussion of the Master's thesis.</li> <li>- Presentation and discussion of the proposed research project.</li> <li>- Interview on basic physics topics (general physics, modern physics).</li> <li>- Verification of knowledge of the English language.</li> </ul>
<b>Research Themes</b>	<ul style="list-style-type: none"> <li>- 1 fellowship on: Development of a Multimodal Optical Microscopy Image Correlation Sensing - MOMIX (tm)- a super resolution microscope to study cellular systems at the nanoscale. Contact: Prof. Alberto Diaspro, email <a href="mailto:Alberto.Diaspro@iit.it">Alberto.Diaspro@iit.it</a></li> <li>- 1 fellowship on: Label-free optical microscopy, using circular intensity differential scattering (CIDS) and non linear processes (multiphoton and second harmonic generation), towards nanoscale biophysics applications. Contact: Prof. Alberto Diaspro, email <a href="mailto:Alberto.Diaspro@iit.it">Alberto.Diaspro@iit.it</a></li> <li>- 1 fellowship on: Bridging the gap between biophysical predictions of interactions and population genetics data Contact: Prof. Gian Gaetano Tartaglia, email <a href="mailto:gian.tartaglia@iit.it">gian.tartaglia@iit.it</a></li> </ul> <p>Further information is available at <a href="https://www.iit.it/phd">https://www.iit.it/phd</a></p>
<b>Information on references</b>	Candidates must choose up to three referees to support their application. These contacts must be university professors or experts in the field. It is preferable that at least one contact belongs to the University of Genoa or to the affiliated research bodies (CNR/INFN/IIT). The referents will be responsible for sending the reference letters, preferably written in English, within the deadline of the call. The letters must be addressed to the attention of the course coordinator Prof. Riccardo Ferrando to the e-mail address: <a href="mailto:phd@fisica.unige.it">phd@fisica.unige.it</a> . The subject of the email must be: PHD REFERENCE LETTER - BIO-NANOSCIENCES
<b>Foreign Languages</b>	Excellent knowledge of both spoken and written English. A very basic knowledge of Italian is desirable.

**Course in: COMPUTER SCIENCE AND SYSTEMS ENGINEERING**

**Curriculum: COMPUTER SCIENCE (CODE 8868)**

<b>Coordinator:</b> Delzanno Giorgio	
Department of IT, Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi – DIBRIS)	
<b>Places:</b> 4 – <b>Grants:</b> 4 (*)	
(*) 2 grants funded by the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 15.343,28. (*) 2 grants funded by LEONARDO S.p.A., the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500.	
<b>Comparative assessment procedure</b>	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
<b>Interview</b>	Date, hour and how the interview will be carried out will be published by 28.09.2021 on the web page <a href="https://unige.it/usg/it/dottorati-di-ricerca">https://unige.it/usg/it/dottorati-di-ricerca</a>
<b>Further information on how to present qualifications/publications</b>	Instructions and guidelines to prepare a research project are available at the URL: <a href="http://phd.dibris.unige.it/csse/index.php/how-to-apply">http://phd.dibris.unige.it/csse/index.php/how-to-apply</a>
<b>Exam Syllabus</b>	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.
<b>Research Themes</b>	The research areas of the Computer Science Curriculum are: - Artificial intelligence and Multi-agent Systems - Data Science and Engineering - Secure and Reliable Systems - Human-Computer Interaction - Science and Technology for Health See also the CSSE PhD webpage <a href="http://phd.dibris.unige.it/csse/">http://phd.dibris.unige.it/csse/</a> .  More specific research projects are available at the URL: <a href="http://phd.dibris.unige.it/csse/index.php/how-to-apply">http://phd.dibris.unige.it/csse/index.php/how-to-apply</a> .  Research themes of grants funded by LEONARDO: <ul style="list-style-type: none"> <li>• Porting, optimization and parallelization of HPC and AI applications on high-end GPU nodes and clusters, targeting near real-time simulations and predictions</li> <li>• Development of a digital twin framework based on HPC and BigData technologies for Aerospace and Cyber Security applications</li> <li>• Convergence of HPC and Cloud infrastructures: study of HPC container technologies (e.g. Docker, Singularity) to deliver applications as a service on cloud with HPC nodes</li> </ul>
<b>Information on references</b>	Candidates must select between one and three external references (academic researchers or experts in the research area of the research proposal). Candidates must also indicate their names, qualifications, and affiliations in the application form. Furthermore, reference persons are required to send a recommendation letter for the candidate to the email: <a href="mailto:phd.compsci@dibris.unige.it">phd.compsci@dibris.unige.it</a> before the deadline of the application. A template for the reference letter is available at the URL: <a href="http://phd.dibris.unige.it/csse/index.php/how-to-apply">http://phd.dibris.unige.it/csse/index.php/how-to-apply</a>
<b>Foreign Languages</b>	English

**Course in: COMPUTER SCIENCE AND SYSTEMS ENGINEERING****Curriculum: SYSTEMS ENGINEERING (CODE 8869)**

<b>Coordinator:</b> Delzanno Giorgio	
Department of IT, Bioengineering, Robotics and Systems Engineering (Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi – DIBRIS)	
<b>Places:</b> 2 – <b>Grants:</b> 2 (*)	
(*) 2 grants funded by the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 15.343,28.	
<b>Comparative assessment procedure</b>	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
<b>Interview</b>	Date, hour and how the interview will be carried out will be published by 28.09.2021 on the web page <a href="https://unige.it/usg/it/dottorati-di-ricerca">https://unige.it/usg/it/dottorati-di-ricerca</a>
<b>Further information on how to present qualifications/publications</b>	Instructions and guidelines to prepare a research project are available at the URL: <a href="http://phd.dibris.unige.it/csse/index.php/how-to-apply">http://phd.dibris.unige.it/csse/index.php/how-to-apply</a>
<b>Exam Syllabus</b>	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.
<b>Research Themes</b>	The research areas of the Systems Engineering Curriculum <a href="http://phd.dibris.unige.it/csse/">http://phd.dibris.unige.it/csse/</a> are: Modelling of dynamic systems, performance optimization schemes and algorithms, design and development of regulation methods and schemes, planning at different levels of decision making, monitoring and supervision. More specific research projects are available at the URL: <a href="http://phd.dibris.unige.it/csse/index.php/how-to-apply">http://phd.dibris.unige.it/csse/index.php/how-to-apply</a>
<b>Information on references</b>	Candidates must select between one and three external references (academic researchers or experts in the research area of the research proposal). Candidates must also indicate their names, qualifications, and affiliations in the application form. Furthermore, reference persons are required to send a recommendation letter for the candidate to the email: <a href="mailto:phd.syseng@dibris.unige.it">phd.syseng@dibris.unige.it</a> before the deadline of the application.  A template for the reference letter is available at the URL: <a href="http://phd.dibris.unige.it/csse/index.php/how-to-apply">http://phd.dibris.unige.it/csse/index.php/how-to-apply</a>
<b>Foreign Languages</b>	English

**Course in: ENGINEERING OF MODELS, MACHINES AND SYSTEMS FOR ENERGY, ENVIRONMENT AND TRANSPORT**

**Curriculum: MACHINES AND SYSTEMS FOR ENERGY, ENVIRONMENT AND PROPULSION (CODE 8870)**

<b>Coordinator:</b> Cianci Roberto	
Department of Mechanical, Energetics, Management and Transport Engineering (Dipartimento di Ingegneria meccanica, energetica, gestionale e dei trasporti – DIME)	
<b>Places:</b> 1 – <b>Grants:</b> 0 (*)	
<p>(<sup>o</sup>) 1 position covered with Research Grant as per the amount foreseen within the European project: MSCA-ITN-2020 "INSpiring Pressure gain combustion Integration, Research, and Education" (INSPIRE).</p> <p>The beneficiary must be categorised as early-stage researchers (ESR), or she/he rather must be in her/his first 4 years of her/his research career at the date of the recruitment and not to have been already awarded a Phd degree before and satisfy the 'mobility rule': she/he must not have resided or carried out her/his main activity (work, study etc.) in Italy for more than 12 months in the three years prior to the date of recruitment.</p>	
<b>Comparative assessment procedure</b>	QUALIFICATIONS/PUBLICATIONS
<b>Further information on how to present qualifications/publications</b>	Candidates must declare in the curriculum vitae et studiorum that they are early-stage researchers (ESR), or they rather must be in their first 4 years of their research career at the date of the recruitment and not to have been already awarded a Phd degree before and satisfy the 'mobility rule': they must not have resided or carried out their main activity(work, study etc.) in Italy for more than 12 months in the three years prior to the date of recruitment.
<b>Research Themes</b>	<p>The research topics of the Curriculum concern the production of energy and aeronautical propulsion with systems for pressure gain combustion. They have an experimental, numerical and theoretical nature and concern:</p> <ol style="list-style-type: none"> <li>1. Turbomachinery and combustors for power generation and aeronautical propulsion: <ul style="list-style-type: none"> <li>- flow analysis in plant components and turbomachinery;</li> <li>- study of combustion processes;</li> <li>- analysis of blade cooling systems;</li> <li>- unsteady aerodynamics of burners for turbogas plants.</li> </ul> </li> <li>2.: Thermoeconomics applied to energy systems: <ul style="list-style-type: none"> <li>- development of reduced order models;</li> <li>- development of component cost correlations;</li> <li>- analysis and optimization of complex and innovative systems for energy production.</li> </ul> </li> </ol> <p>The topics dealt with the combustion processes, with the thermodynamic, fluid-dynamic and heat exchange modeling aspects linked to numerical processing, with controls and signal processing.</p>
<b>Specific requirements</b>	Mechanical, Aeronautical, Energy, Nuclear, Electrical or Industrial Engineering, Chemistry, Mathematics and possess basic knowledge of Energy Engineering in accordance with the specific topic.
<b>Foreign Languages</b>	English
<b>Further Information</b>	Further Information please contact the Coordinator of the Doctoral Course Prof. Roberto Cianci: <a href="mailto:roberto.cianci@unige.it">roberto.cianci@unige.it</a> , or Prof. Ferrari Mario Luigi ( <a href="mailto:mario.ferrari@unige.it">mario.ferrari@unige.it</a> ) or Prof. Andrea Cattanei ( <a href="mailto:cattanei@unige.it">cattanei@unige.it</a> )

Course in: **EXPERIMENTAL MEDICINE**

Curriculum: **INTERNATIONAL CURRICULUM IN PHARMACOLOGY AND TOXICOLOGY (CODE 8871)**

Curriculum in agreement with Maastricht University, Maastricht, The Netherlands

<b>Coordinator:</b> Bonanno Giambattista	
Department of Experimental Medicine (Dipartimento di Medicina Sperimentale – DIMES)	
<b>Places:</b> 1 – <b>Grants:</b> 1 (*).	
(*) 1 grant funded by the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 15.343,28.	
At the end of the course a joint qualification will be awarded with Maastricht University, Maastricht, The Netherlands.	
<b>Comparative assessment procedure</b>	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
<b>Interview</b>	Date, hour and how the interview will be carried out will be published by 28.09.2021 on the web page <a href="https://unige.it/usg/it/dottorati-di-ricerca">https://unige.it/usg/it/dottorati-di-ricerca</a>  The interview may take place also in telematic mode at the request of the interested party or if the health situation makes it necessary.
<b>Exam Syllabus</b>	The interview (in English) will focus on the candidate's previous experiences – if any – in the field of scientific research or during the preparation of the final dissertation; there will be also a critical discussion on the research project presented by the candidate.
<b>Research Themes</b>	Neuropharmacology, Neurotoxicology
<b>Information on references</b>	Candidates must choose no less than one and no more than three university professors or subject experts to support their candidature. These persons are required to send their letters of support, within the deadline of the call, to the the following address:  Prof. Ernesto Fedele University of Genova DIFAR - Pharmacology and Toxicology Unit Viale Cembrano 4 16148 Genova  or, alternatively, at the e-mail address: <a href="mailto:fedele@difar.unige.it">fedele@difar.unige.it</a>  <b>The personal details (name/surname, qualification, institution) of the persons chosen by the candidates must be reported in the application form</b>
<b>Foreign Languages</b>	English
<b>Further Information</b>	Prof. Ernesto Fedele University of Genoa Department of Pharmacy (DIFAR) Viale Cembrano 4 16148 Genova (+39) 0103532659 <a href="mailto:fedele@difar.unige.it">fedele@difar.unige.it</a> <a href="http://www.dms.unige.it">www.dms.unige.it</a>

**Course in: HEALTH SCIENCES****Curriculum: NURSING (CODE 8872)**

<b>Coordinator:</b> Izzotti Alberto	
Department of Health Sciences (Dipartimento di Scienze della Salute – DISSAL)	
<b>Places:</b> 1 (°) – <b>Grants:</b> 0	
(°) 1 place reserved for employees of Fondazione IRCCS Istituto Neurologico “Carlo Besta”	
<b>Comparative assessment procedure</b>	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
<b>Interview</b>	Date, hour and how the interview will be carried out will be published by 28.09.2021 on the web page <a href="https://unige.it/usg/it/dottorati-di-ricerca">https://unige.it/usg/it/dottorati-di-ricerca</a>
<b>Further information on how to present qualifications/publications</b>	Remember that by qualifications we mean the information contained in the application and in the curriculum vitae et studiorum, the research project, the further qualifications. The latter must not exceed ten pages each.
<b>Exam Syllabus</b>	The tests will focus on topics related to research topics.
<b>Research Themes</b>	<ol style="list-style-type: none"><li>1. Patient safety and prevention of the risk of error in the care processes.</li><li>2. Prevention of education and assistance to the person with chronic health problems</li><li>3. Family and Patient Centred Care and Child and family Centred Care</li><li>4. Innovative models for health skills training.</li></ol>
<b>Information on references</b>	Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the public notice, to the contact person of the Doctoral Course Prof. Annamaria Bagnasco at the following address: <a href="mailto:annamaria.bagnasco@unige.it">annamaria.bagnasco@unige.it</a> The name, status and service place of the referees, chosen by the candidates, must be stated in their applications.
<b>Foreign Languages</b>	English
<b>Further Information</b>	Administrative contact person: Giuseppe Zara Email: <a href="mailto:giuseppe.zara@unige.it">giuseppe.zara@unige.it</a>



**Course in: MARINE SCIENCES AND TECHNOLOGIES**

**Curriculum: NAVAL ARCHITECTURE AND MARINE ENGINEERING - MARINE TECHNOLOGIES (CODE 8873)**

<b>Coordinator:</b> Ferrari Claudio	
Centro del Mare	
<b>Places:</b> 2 – <b>Grants:</b> 2 (*)	
(*) 1 grant funded by Centro ISME on the research theme: Marine robotics team for area exploration and monitoring. The annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 15.343,28. (*) 1 grant cofunded by Ente Parco nazionale delle Cinque Terre, Promostudi di La Spezia, Camera di commercio Riviera di Liguria, RINA Services S.p.A.. The annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 15.343,28.	
<b>Comparative assessment procedure</b>	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
<b>Interview</b>	Date, hour and how the interview will be carried out will be published by 28.09.2021 on the web page <a href="https://unige.it/usg/it/dottorati-di-ricerca">https://unige.it/usg/it/dottorati-di-ricerca</a>  The interview can take place on request also electronically (video conference via MS Teams) by contacting Prof. Cesare M. Rizzo at least a week before the interview date by e-mail ( <a href="mailto:cesare.rizzo@unige.it">cesare.rizzo@unige.it</a> )
<b>Further information on how to present qualifications/publications</b>	Applicants will: 1) submit a research project (maximum 10 pages A4 format); 2) an updated CV;  Italian candidates not yet graduated must present the list with a score of the exams taken in the master degree.
<b>Exam Syllabus</b>	The interview will focus on the topics of the proposed research project and on related issues.
<b>Research Themes</b>	Marine robotics team for area exploration and monitoring Design of ultra-low air and water emission ships using numerical simulation
<b>Information on references</b>	Candidates must choose not less than one and not more than three referees to support their application. The referees must be university professors or experts in the subject. Referees shall directly send endorsement letters, within the deadline of the notice, to the following address e-mail: <a href="mailto:cesare.rizzo@unige.it">cesare.rizzo@unige.it</a> . In their application, candidates must indicate the name, qualification and place of employment of the chosen referees.
<b>Foreign Languages</b>	English

**Course in: SCIENCE AND TECHNOLOGY OF CHEMISTRY AND MATERIALS****In agreement with the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia – IIT)****Curriculum: NANOCHEMISTRY (CODE 8874)**

<b>Coordinator:</b> Riva Renata	
Department of Chemistry and Industrial Chemistry (Dipartimento di Chimica e Chimica Industriale – DCCI)	
<b>Places: 6 – Grants: 6 (*)</b>	
(*) 6 grants funded by Foundation of the Italian Institute of Technology (IIT), the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00.	
<b>Comparative assessment procedure</b>	QUALIFICATIONS/PUBLICATIONS
<b>Further information on how to present qualifications/publications</b>	<p>Evaluable qualifications:</p> <ol style="list-style-type: none"><li>1. educational qualifications with marks;</li><li>2. transcript of records (list of exams with marks);</li><li>3. recommendation letters (maximum three);</li><li>4. research project written in English following the <a href="#">template</a> provided (<a href="https://chimica.unige.it/dottorato/concorsi">https://chimica.unige.it/dottorato/concorsi</a>);</li><li>5. curriculum vitae et studiorum;</li><li>6. additional qualifications (postgraduate qualifications, publications in scientific journals, congress presentations, patents, study or research awards).</li></ol> <p>All candidates have to attach to the application the certificates related to all the academic qualifications, reporting the mark and duration of the study cycles. For students not yet graduated, who are admitted sub condicione, the presentation of the certificate is required with the marks obtained in the individual exams. The provision of the title and a short M.Sc. thesis abstract is recommended.</p> <p>Foreign applicants must also clearly report the number of years corresponding to each cycle of studies carried out before enrolling in the University.</p> <p>In case of admission to the doctorate, the candidate will carry out his research not necessarily in the specific activities described in the project he/she has presented.</p>
<b>Research Themes</b>	<ol style="list-style-type: none"><li>1. Advanced low-dimensional solutions for solar energy conversion and storage</li><li>2. Optoelectronics of plasmonic/semiconducting low-dimensional nanomaterials</li><li>3. Advanced electron microscopy of hybrid perovskite materials for energy applications (2 positions)</li><li>4. Magnetic materials for curing cancer</li><li>5. Materials for water technologies</li></ol>
<b>Information on references</b>	<p>Candidates must provide not less than one and not more than three recommendation letters to support their application. The authors are university professors or experts in the research topics of the PhD course and they must provide the letters within the deadline of the call, exclusively by email to <a href="mailto:phd_nach@iit.it">phd_nach@iit.it</a> (subject: PhD_letter).</p> <p>The name, status and place of employment of the authors of the recommendation letters must be stated in the application.</p>
<b>Foreign Languages</b>	English
<b>Further Information</b>	<p>Further information on: <a href="#">research themes</a> (<a href="https://chimica.unige.it/dottorato/concorsi">https://chimica.unige.it/dottorato/concorsi</a>)</p> <p>Administrative contact person Dr. Iulia Manolache Tel: (+39) 0102896718 <a href="mailto:iulia.manolache@iit.it">iulia.manolache@iit.it</a></p>

**Course in: SCIENCE AND TECHNOLOGY 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 8875)**

<b>Coordinator:</b> Riva Renata	
Department of Chemistry and Industrial Chemistry (Dipartimento di Chimica e Chimica Industriale – DCCI)	
<b>Places:</b> 2 – <b>Grants:</b> 1 (*).	
(*) 1 grant funded by Phase Motion Control S.p.A.; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00	
(°) 1 place reserved to scholarship holders within the international mobility program: H2020-MSCA-ITN-2020: NanoPaInt – Dynamics of dense nanosuspensions: a pathway to novel functional materials)	
<b>Modalità della valutazione comparativa</b>	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
<b>Interview</b>	Date, hour and how the interview will be carried out will be published by 28.09.2021 on the web page <a href="https://unige.it/usg/it/dottorati-di-ricerca">https://unige.it/usg/it/dottorati-di-ricerca</a>  The interview may take place electronically (Skype, Teams etc.), for justified reasons. For the purpose of identification, the candidate has to show the original document (the same provided in the application).
<b>Further information on how to present qualifications/publications</b>	Evaluable qualifications: 1. educational qualifications with marks; 2. transcript of records (list of exams with marks); 3. recommendation letters (maximum three); 4. research project written in Italian or English; 5. curriculum vitae et studiorum; 6. 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.
<b>Exam Syllabus</b>	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.
<b>Research Themes</b>	1. Development of next generation Li-ion batteries 2. Development of solid foams with tailored structures and functional properties
<b>Information on references</b>	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 email to <a href="mailto:renata.riva@unige.it">renata.riva@unige.it</a> (subject: PhD_letter). The name, status and place of employment of the authors of the recommendation letters must be stated in the application.
<b>Foreign Languages</b>	English
<b>Further Information</b>	Prof. Renata Riva (+39) 0103536106 <a href="mailto:renata.riva@unige.it">renata.riva@unige.it</a>  Administrative contact person Mrs. Noemi Pretelli (+39) 0103538752 <a href="mailto:noemi@chimica.unige.it">noemi@chimica.unige.it</a>

**Course in: SCIENCE AND TECHNOLOGY FOR THE ENVIRONMENT AND TERRITORY (STET)**  
**In agreement with the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia – IIT)**

**Curriculum: BIOLOGY APPLIED TO AGRICULTURE AND TO THE ENVIRONMENT (CODE 8876)**

<b>Coordinator:</b> Scambelluri Marco	
Department of Earth, Environmental and Life Sciences (Dipartimento di Scienze della Terra, dell’Ambiente e della Vita – DISTAV)	
<b>Places:</b> 2 (°) – <b>Grants:</b> 2 (*).	
(*) 1 grant funded by Foundation of the Italian Institute of Technology (IIT), the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00.	
(°) 1 position covered with Research Grant as per the amount foreseen within the European project H2020-MSCA-COFUND-2020 “CLOE - Training to complexity: multidisciplinary approaches to rural and mountain sustainable development and conservation” GA n. 101034449. For more details, see the Marie Skłodowska Curie COFUND project website at <a href="https://cloe.dp.unige.it">https://cloe.dp.unige.it</a> . For CLOE COFUND project, the position is reserved to early-stage researchers (ESRs): researchers must be in their first 4 years of research career at the date of the recruitment and not have been already awarded a PhD degree before. ESRs have also to satisfy the ‘mobility rule’: they must not have resided or carried out their main activity (work, study etc.) in Italy for more than 12 months in the three years prior to the date of recruitment. Compulsory national service, short stays such as holidays and time spent under a procedure to obtain refugee status under the Geneva Convention are not taken into account for the calculation.	
<b>Comparative assessment procedure</b>	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
<b>Interview</b>	Date, hour and how the interview will be carried out will be published by 28.09.2021 on the web page <a href="https://unige.it/usg/it/dottorati-di-ricerca">https://unige.it/usg/it/dottorati-di-ricerca</a>
<b>Further information on how to present qualifications/publications</b>	<p>Qualifications are all information contained in the application and in the documents attached to it.</p> <p>The application must include: a) the curriculum vitae et studiorum of the PhD candidate (maximum ten pages);  b) a detailed research project concerning the topics related to the Scholarships funded by the Italian Institute of Technology (IIT), or the COFUND CLOE project (maximum ten pages);  c) a document containing the title and a brief description of the Master’s thesis, together with the list of exams and their marks;  d) the titles documenting the qualifications acquired by the PhD candidate during his/her career that are relevant to the research project submitted and to the Doctorate Course (maximum ten pages);  e) minimum one, up to three reference letters. PhD candidates can apply in English and Italian</p> <p>(°) For <u>CLOE COFUND project</u>, further information on the submission of the applications are available on the project website at the following link: <a href="https://cloe.dp.unige.it">cloe.dp.unige.it</a></p>
<b>Required documents for CLOE project</b>	<p>Applicants will have to submit their application by filling in the requested information and uploading the following documents in PDF format:</p> <ul style="list-style-type: none"> <li>• a copy of a Valid Passport/ID;</li> <li>• a translation of the academic qualifications duly notarized by the Italian diplomatic or consular office of the Country in which the qualifications were obtained and Declaration of Value of the qualifications prepared by the Italian diplomatic-consular Representatives, that is located in the Country where the qualifications were obtained. If the Italian diplomatic or consular office does not provide the documentation in time for the application, applicants should enclose all the documentation available (e.g. degree certificates, transcript of records);</li> <li>• in case of qualifications issued by an EU country, previous documents may be replaced by the Diploma Supplement delivered by the University which has issued the title, according to the standards of the EU and UNESCO/CEPES;</li> <li>• Master thesis extended abstract (max.10 pages);</li> <li>• Curriculum Vitae;</li> <li>• Letter of Motivation;</li> <li>• a self-declaration to demonstrate that they respect the MSCA mobility rule, the ESR definition, and the English language proficiency (IELTS scores, TOEFL results, or proof of a degree awarded in English</li> <li>• Research project proposal;</li> <li>• Ethics self-assessment (through the form available at the following link: <a href="https://cloe.dp.unige.it/en/application_package">https://cloe.dp.unige.it/en/application_package</a></li> <li>• up to three letters of reference;</li> <li>• Publication(s)/Patent(s)(optional; max 5).</li> </ul>

	<a href="https://cloe.dp.unige.it/en/application_package">https://cloe.dp.unige.it/en/application_package</a>
<b>Exam Syllabus</b>	<p>The interview will deal with:</p> <ol style="list-style-type: none"> <li>1- the knowledge of biological themes and processes. The topics covered during the discussion are both of general interest, as well as specific to the proposed research.</li> <li>2- the activity carried out by the PhD candidates during their course of study and during the Master's degree thesis, their level of knowledge of the related topics and of the analytical and experimental methodologies related to the Master Thesis and to research topic of the project presented;</li> <li>3- the research topic that the candidate aims at developing during the PhD.</li> <li>4 - the knowledge of the English language</li> </ol> <p>(°) For <u>CLOE COFUND project</u>, further information on the submission of the applications are available on the project website at the following link: <a href="http://cloe.dp.unige.it">cloe.dp.unige.it</a></p>
<b>Research Themes</b>	<p>For the <u>CLOE COFUND PROJECT</u> the candidate has to choose one of the two proposed themes (n.1 or 2) for the preparation of the research project:</p> <ol style="list-style-type: none"> <li>1) Research Theme 1 H2020-MSCA-COFUND2020: Re-Wild vs Neo-settlement in mountain areas: implications on natural and anthropogenic biodiversity in Western Alps and/or North Apennines.</li> <li>2) Research Theme 2 H2020-MSCA-COFUND2020: Changes in flora and vegetation related to mountain settlements with particular regard to invasive alien species in Western Alps and/or North Apennines. Further information on research themes and on the project proposal structure are available on the project's website at the following link: <a href="http://cloe.dp.unige.it">cloe.dp.unige.it</a></li> <li>3) <u>Research theme funded by IIT</u>: Multimodal optical nanoscopy to study chromatin organization during cell differentiation and neoplastic transformation.</li> </ol>
<b>Information on references</b>	<p>In accordance with article 3 paragraph 3 of the call, the candidate must choose minimum one, up to three referents supporting their PhD application. In their application forms, the PhD candidates must indicate the name, qualification and Institution of each referent. Referents must be University professors and researchers, or well-known experts in the subject. Referents must send their letters in "pdf" format, within the deadline for submitting the application to Prof. Mauro Mariotti (<a href="mailto:m.mariottii@unige.it">m.mariottii@unige.it</a>), the responsible for the Doctorate curriculum.</p>
<b>Foreign Languages</b>	<p>(°) English is required for the <u>COFUND CLOE Project</u></p> <p>For the other positions, the research project can be written in Italian, English or French, but knowledge of English is required</p>
<b>Further Information</b>	<p>Further information is available on the PhD website (<a href="http://www.distav.unige.it/phdstat/it">http://www.distav.unige.it/phdstat/it</a>) or can be requested from Prof. Mauro Mariotti: <a href="mailto:m.mariotti@unige.it">m.mariotti@unige.it</a></p>

**Course in: SCIENCE AND TECHNOLOGY FOR THE ENVIRONMENT AND TERRITORY (STET)**  
**In agreement with the Foundation of the Italian Institute of Technology (Fondazione Istituto Italiano di Tecnologia – IIT)**

**Curriculum: EARTH SCIENCES (CODE 8877)**

<b>Coordinator:</b> Scambelluri Marco	
Department of Earth, Environmental and Life Sciences (Dipartimento di Scienze della Terra, dell'Ambiente e della Vita – DISTAV)	
<b>Places:</b> 2 (°) – <b>Grants:</b> 1 (*)	
(*) 1 grant funded by Agenzia per la Coesione territoriale (Fondo per lo sviluppo e la coesione), under condition to the approval of project and funding. The gross annual amount of the scholarship is € 15.343,28 including social security contributions charged to the scholarship recipient. (°) 1 place reserved to employee of Istituto Nazionale di Geofisica e Vulcanologia (INGV)	
<b>Comparative assessment procedure</b>	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
<b>Interview</b>	Date, hour and how the interview will be carried out will be published by 28.09.2021 on the web page <a href="https://unige.it/usg/it/dottorati-di-ricerca">https://unige.it/usg/it/dottorati-di-ricerca</a>
<b>Further information on how to present qualifications/publications</b>	By titles are meant all information contained in the application form and in the documents attached to it. The application must be accompanied by: <ol style="list-style-type: none"> <li>the candidate's curriculum vitae et studiorum (maximum ten pages), with indication of the degree mark;</li> <li>a detailed research project concerning the topics related to the Scholarships funded by the Italian Institute of Geophysics and Volcanology INGV or the topic that can be financed under municipal doctorates (maximum ten pages);</li> <li>a document containing the title and an abstract of the Master's degree thesis, together with the list of exams taken and their marks;</li> <li>any additional documented qualification acquired during the candidate's career and relating to the proposed research project and to the research topics pertinent to the PhD Program (maximum ten pages);</li> <li>from minimum one to maximum three reference letters.</li> </ol> <p>Candidates can write their project and application forms either in Italian or in English</p>
<b>Exam Syllabus</b>	The interview will cover: <ol style="list-style-type: none"> <li>the general knowledge about themes, processes and objects related to geology, geophysics or, in a broader sense, the natural sciences both of general culture and of interest to the proposed research ;</li> <li>an in-depth discussion of the activity carried out by the candidate during his/her studies and during his/her master's degree thesis. The interview will also test the candidate's knowledge of the basic topics, of the analytical and work tools and of the experimental methodologies pertinent to the research topic dealt with in the project presented;</li> <li>the specific research topic that the candidate intends to develop during the research doctorate.</li> <li>an evaluation of the candidate's knowledge of the English language</li> </ol>
<b>Research Themes</b>	<u>Research theme</u> reserved to employee of Istituto Nazionale di Geofisica e Vulcanologia (INGV): – Calibration of empirical methods for rapid estimates of seismic parameters. An application to Northern Italy.  Research theme for the grant funded by Agenzia per la Coesione territoriale (Fondo per lo sviluppo e la coesione), under condition to the approval of the project and funding: - Study of the "Geosites" and "Biosites" of the Beigua-SOL internal area through the application of the concepts of "natural capital" and "ecosystem services".
<b>Information on references</b>	In accordance with Art. 3, paragraph 3 Candidates must choose minimum one and maximum three referents writing a reference letter in support of their PhD application. In the application form, candidates must indicate the name, qualification and institution of each referent, who must be university professors, qualified members of major research centers and institutions, and qualified experts in the subject.  Referents must send their letters in “pdf” format o the curriculum manager, Prof. Marco Scambelluri (marco.scambelluri@unige.it), by the deadline for submitting the application. Reference letters unsend directly to Prof. Scambelluri will not be considered.
<b>Foreign Languages</b>	English
<b>Further Information</b>	Further information can be requested to Prof. Marco Scambelluri ( <a href="mailto:marco.scambelluri@unige.it">marco.scambelluri@unige.it</a> )

**Course in: SECURITY, RISK AND VULNERABILITY****Doctoral Course in agreement with the Bruno Kessler Foundation (Fondazione Bruno Kessler – FBK) and CIMA Foundation****Curriculum: RISK, CLIMATE CHANGE AND SUSTAINABLE DEVELOPMENT (CODE 8878)**

<b>Coordinator:</b> Armando Alessandro	
Centro Strategico Interdipartimentale su Sicurezza, Rischio e Vulnerabilità	
<b>Places:</b> 1 – <b>Grants:</b> 1 (*)	
(*) 1 grant funded by Agenzia per la Coesione territoriale (Fondo per lo sviluppo e la coesione), under condition to the approval of the project and funding. The gross annual amount of the scholarship is € 15.343,28 including social security contributions charged to the scholarship recipient.	
<b>Comparative assessment procedure</b>	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
<b>Interview</b>	Date, hour and how the interview will be carried out will be published by 28.09.2021 on the web page <a href="https://unige.it/usg/it/dottorati-di-ricerca">https://unige.it/usg/it/dottorati-di-ricerca</a>
<b>Further information on how to present qualifications/publications</b>	The research project (10 pages max) must include the candidate's research interests and motivations, a short abstract, the State of the Art and relevant references and the aims of the research activity. The application (curriculum) must contain Transcripts of Records, stating the courses attended and marks obtained throughout the candidate's university career (Bachelor and M.Sc. degrees). Undergraduate candidates at the deadline of the public notice may submit further documentation, which they deem appropriate, in order to document their university career.
<b>Exam Syllabus</b>	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.
<b>Research Themes</b>	Internal Areas and National Strategy of Internal Areas (SNAI) Agenda 2030 and Sustainable Development Goals Environmental and social vulnerability of the territories Local development Territorial development and related strategies Natural and cultural heritage Sustainable tourism GIS and Historical GIS Participatory and multidisciplinary methods of research (geographic, psychological and social)
<b>Information on references</b>	Candidates must choose at least one and no more than three referees to support their candidature. The referees must be university professors or experts in the subject. If the referee is not a university professor, he/she must also send the Curriculum Vitae and a list of publications. The reference letter must be sent by the referees, within the deadline of the public notice, to the Coordinator of the curriculum to the following email address: <a href="mailto:luca.ferraris@unige.it">luca.ferraris@unige.it</a> . The name, status and current position of the referees chosen by the candidate must be stated in the application. Reference letters that are not presented as requested will not be taken into consideration.
<b>Foreign Languages</b>	English
<b>Further Information</b>	Curriculum Coordinator Prof. Luca Ferraris DIBRIS, Campus Universitario, Savona <a href="mailto:luca.ferraris@unige.it">luca.ferraris@unige.it</a>

Course in: HISTORY, ART HISTORY AND ARCHEOLOGY

Curriculum: HISTORY (CODE 8879)

<b>Coordinator:</b> Cassata Francesco	
Department of Classical Studies, Philosophy and History (Dipartimento di Antichità, Filosofia e Storia – DAFIST)	
<b>Places:</b> 1 – <b>Grants:</b> 1 (*)	
(*) 1 grant funded by Fondazione Ansaldo on the theme “The evolution of occupational welfare as strategy for the development of the 'corporate identity': the case-study of Ansaldo”, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 15.343,28.	
<b>Comparative assessment procedure</b>	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
<b>Interview</b>	Date, hour and how the interview will be carried out will be published by 28.09.2021 on the web page <a href="https://unige.it/usg/it/dottorati-di-ricerca">https://unige.it/usg/it/dottorati-di-ricerca</a>
<b>Further information on how to present qualifications/publications</b>	<p>Besides the qualifications/publications requested in the public notice exam, candidates are requested to submit by means of the online procedure together with their applications:</p> <p>a) the four year degree thesis, or specialist, or II level degree thesis (in pdf format) which will be evaluated;</p> <p>b) any publications (in pdf format), which will be evaluated;</p> <p>c) a brief description of the research project proposed by the candidate (maximum 30,000 strokes plus an annotated bibliography), which will be evaluated.</p> <p>The project must be organized according to the following points: 1) Objectives; 2) Sources and state of the art; 3) Importance for the advancement of knowledge; 4) Proposed methodology; 5) A developmental work plan.</p> <p>CVs, titles, theses, publications and research projects must be presented in pdf format, attached to the application.</p> <p>Only the titles and publications relating to the LAST 3 SOLAR YEARS prior to the calendar year of publication of the call (excluding the degree diploma, which will be assessed even if previous) will be assessed and deemed congruent with the research topics of the PhD course and include:</p> <p>1) Master's degree or four-year degree (old system) or qualification deemed equivalent; the thesis will be evaluated;</p> <p>2) Scientific publications, consistent with the themes of the doctorate:</p> <ul style="list-style-type: none"> <li>- monografie;</li> <li>- essays in scientific journals (band A or B in the ANVUR classification);</li> <li>- essays in collective volumes</li> <li>- short essays, historical-critical factsheets.</li> </ul> <p>3) Others:</p> <ul style="list-style-type: none"> <li>- Degrees obtained following the completion of specialization and / or specialization and / or advanced training courses, Masters in subjects related to the research courses of the PhD course;</li> <li>- PhD Diploma;</li> <li>- Second degree in subjects related to the research courses of the PhD course;</li> <li>- Scholarships, Awards, Fellowships;</li> <li>- Research activity carried out at scientific institutions;</li> <li>- Didactic activity carried out at university institutions;</li> <li>- Curricular study experiences abroad;</li> <li>- Internships, traineeships and professional experiences related to the research courses of the PhD course;</li> <li>- Expert of the subject or member of exam commissions in the university environment.</li> </ul>
<b>Exam Syllabus</b>	<p>The interview will concern the presentation and discussion of the research project by the candidate and is aimed at verifying its aptitude for scientific research</p> <p>The evaluation will be based on the following criteria:</p> <ul style="list-style-type: none"> <li>- argumentative skills in the presentation of the research project, knowledge of the state of the art and general preparation on themes and topics related to the project;</li> <li>- foreign language knowledge</li> </ul>
<b>Research Themes</b>	<p>1) The development of the Ansaldo corporate identity, from the initial forms of corporate "paternalism" of the late nineteenth century to the first measures in favor of women's employment in the years of the First World War;</p> <p>2) Ansaldo's corporate decisions from the 1920s to the first half of the 1960s, which led to the implementation of programs to support workers between the first and second half of the 20th century (establishment of an apprentice school; establishment of an internal welfare program;</p>



	participation to the INA Casa plan for the construction of housing for employees; kindergartens and summer camps for the children of employees; company magazines and after-work events); 3) Ansaldo measures in favor of workers from the second half of the 1960s to the early 1980s.
<b>Information on references</b>	Reference letters are not required. Nonetheless, any reference letters received will not be taken into consideration for the final score.
<b>Foreign Languages</b>	English, French, German and Spanish
<b>Further Information</b>	Prof. Francesco Cassata <a href="mailto:francesco.cassata@unige.it">francesco.cassata@unige.it</a>

**Course in: HISTORY, ART HISTORY AND ARCHEOLOGY****Curriculum: ARCHEOLOGY (CODE 8880)**

<b>Coordinator:</b> Cassata Francesco	
Department of Classical Studies, Philosophy and History (Dipartimento di Antichità, Filosofia e Storia – DAFIST)	
<b>Places:</b> 2 (°) – <b>Grants:</b> 1 (*)	
<p>(*) 1 grant funded by Agenzia per la Coesione territoriale (Fondo per lo sviluppo e la coesione), under condition to the approval of the project and funding. The gross annual amount of the scholarship is € 15.343,28 including social security contributions charged to the scholarship recipient.</p> <p>(°) 1 position covered with Research Grant as per the amount foreseen within the European project H2020-MSCA-COFUND-2020 “CLOE - Training to complexity: multidisciplinary approaches to rural and mountain sustainable development and conservation” GA n. 101034449. For more details, see the Marie Skłodowska Curie COFUND project website at <a href="https://cloe.dp.unige.it">https://cloe.dp.unige.it</a>. For CLOE COFUND project, the position is reserved to early-stage researchers (ESRs): researchers must be in their first 4 years of research career at the date of the recruitment and not have been already awarded a PhD degree before. ESRs have also to satisfy the ‘mobility rule’: they must not have resided or carried out their main activity (work, study etc.) in Italy for more than 12 months in the three years prior to the date of recruitment. Compulsory national service, short stays such as holidays and time spent under a procedure to obtain refugee status under the Geneva Convention are not taken into account for the calculation.</p>	
<b>Comparative assessment procedure</b>	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
<b>Interview</b>	The interview will be take place electronically. Date, hour and plataform of the interview will be published by 28.09.2021 on the web page <a href="https://unige.it/usg/it/dottorati-di-ricerca">https://unige.it/usg/it/dottorati-di-ricerca</a>
<b>Further information on how to present qualifications/p ublications</b>	<p>Besides the qualifications/publications requested in the public notice exam, candidates are requested to submit by means of the online procedure together with their applications:</p> <p>a) the four year degree thesis, or specialist, or II level degree thesis (in pdf format) which will be evaluated;</p> <p>b) any publications (in pdf format), which will be evaluated;</p> <p>c) a brief description of the research project proposed by the candidate (maximum 10 pages), which will be evaluated.</p> <p>The project must be organized according to the following points: 1) Objectives; 2) Sources and state of the art; 3) Importance for the advancement of knowledge; 4) Proposed methodology; 5) A developmental work plan.</p> <p>CVs, titles, theses, publications and research projects must be presented in pdf format, attached to the application.</p> <p>Only the titles and publications relating to the LAST 3 SOLAR YEARS prior to the calendar year of publication of the call (excluding the degree diploma, which will be assessed even if previous) will be assessed and deemed congruent with the research topics of the PhD course and include:</p> <p>1) Master's degree or four-year degree (old system) or qualification deemed equivalent; the thesis will be evaluated;</p> <p>2) Scientific publications, consistent with the themes of the doctorate:</p> <ul style="list-style-type: none"> <li>- monografie;</li> <li>- essays in scientific journals (band A or B in the ANVUR classification);</li> <li>- essays in collective volumes</li> <li>- short essays, historical-critical factsheets.</li> </ul> <p>3) Others:</p> <ul style="list-style-type: none"> <li>- Degrees obtained following the completion of specialization and / or specialization and / or advanced training courses, Masters in subjects related to the research courses of the PhD course;</li> <li>- PhD Diploma;</li> <li>- Second degree in subjects related to the research courses of the PhD course;</li> <li>- Scholarships, Awards, Fellowships;</li> <li>- Research activity carried out at scientific institutions;</li> <li>- Didactic activity carried out at university institutions;</li> <li>- Curricular study experiences abroad;</li> <li>- Internships, traineeships and professional experiences related to the research courses of the PhD course;</li> <li>- Expert of the subject or member of exam commissions in the university environment.</li> </ul> <p>° About CLOE, further information on the submission of the applications are available on the project website: <a href="https://cloe.dp.unige.it/en/application_package">https://cloe.dp.unige.it/en/application_package</a></p>

<b>Required documents for CLOE project</b>	<p>Applicants will have to submit their application by filling in the requested information and uploading the following documents in PDF format:</p> <ul style="list-style-type: none"> <li>• a copy of a Valid Passport/ID;</li> <li>• a translation of the academic qualifications duly notarized by the Italian diplomatic or consular office of the Country in which the qualifications were obtained and Declaration of Value of the qualifications prepared by the Italian diplomatic-consular Representatives, that is located in the Country where the qualifications were obtained. If the Italian diplomatic or consular office does not provide the documentation in time for the application, applicants should enclose all the documentation available (e.g. degree certificates, transcript of records);</li> <li>• in case of qualifications issued by an EU country, previous documents may be replaced by the Diploma Supplement delivered by the University which has issued the title, according to the standards of the EU and UNESCO/CEPES;</li> <li>• Master thesis extended abstract (max.10 pages);</li> <li>• Curriculum Vitae;</li> <li>• Letter of Motivation;</li> <li>• a self-declaration to demonstrate that they respect the MSCA mobility rule, the ESR definition, and the English language proficiency (IELTS scores, TOEFL results, or proof of a degree awarded in English</li> <li>• Research project proposal;</li> <li>• Ethics self-assessment (through the form available at the following link: <a href="https://cloe.dp.unige.it/en/application_package">https://cloe.dp.unige.it/en/application_package</a></li> <li>• up to three letters of reference;</li> <li>• Publication(s)/Patent(s)(optional; max 5).</li> </ul> <p><a href="https://cloe.dp.unige.it/en/application_package">https://cloe.dp.unige.it/en/application_package</a></p>
<b>Exam Syllabus</b>	<p>The interview will concern the presentation and discussion of the research project by the candidate and is aimed at verifying its aptitude for scientific research</p> <p>The evaluation will be based on the following criteria:</p> <ul style="list-style-type: none"> <li>- argumentative skills in the presentation of the research project, knowledge of the state of the art and general preparation on themes and topics related to the project;</li> <li>- foreign language knowledge</li> </ul> <p>◦ About CLOE position further information are available at the following link <a href="https://cloe.dp.unige.it/en/application_package">https://cloe.dp.unige.it/en/application_package</a></p>
<b>Research Themes</b>	<p><b>PhD with grant funded by Agenzia per la Coesione territoriale (Fondo per lo sviluppo e la coesione)</b> under condition to the approval of the project and funding.</p> <p>The candidate has one of the two proposed themes for the preparation of the research project:</p> <ul style="list-style-type: none"> <li>- Theme 1. <i>The inner social dimension of the landscape. The “Antola-Tigullio” inland area case study, between history and archaeology</i></li> <li>- Theme 2. <i>The rural living heritage of the “Antola-Tigullio” inland area. Research of environmental history and rural archaeology</i></li> </ul> <p><b>H2020-MSCA-COFUND2020- CLOE</b></p> <p>The candidate has to choose one of the two proposed themes for the preparation of the research project:</p> <ul style="list-style-type: none"> <li>- Theme 1. <i>Rural archaeology and history: space, environmental resources and access rights</i></li> <li>- Theme 2. <i>Rural heritage and landscapes definition, construction and conservation</i></li> </ul> <p>Further information on research themes and on the project proposal structure are available on the project’s website at the following link: <a href="https://cloe.dp.unige.it">https://cloe.dp.unige.it</a>.</p>
<b>Information on references</b>	<p>It is recommended to submit up to 3 reference letters to support the application to send to <a href="mailto:anna.stagno@unige.it">anna.stagno@unige.it</a></p>
<b>Foreign Languages</b>	<p>English</p>
<b>Further Information</b>	<p>Prof.ssa Anna Maria Stagno: <a href="mailto:anna.stagno@unige.it">anna.stagno@unige.it</a></p>

**Course in: STRATEGIC ENGINEERING  
(CODE 8881)**

**Doctoral Course in agreement with École nationale supérieure des mines d'Alès (IMT Mines Alès) - France, Universidad de la Rioja - Spain and Óbuda University - Hungary**

<b>Coordinator:</b>	Sciomachen Anna Franca
	Department of Economics (Dipartimento di Economia – DIEC)
<b>Places:</b>	2 (°) – <b>Grants:</b> 0
	(°) 1 place reserved to employee of Decima Europe Srl
	(°) 1 place reserved to employee of Brandnew Promoter Pte ltd
<b>Comparative assessment procedure</b>	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
<b>Interview</b>	Date, hour and how the interview will be carried out will be published by 28.09.2021 on the web page <a href="https://unige.it/usg/it/dottorati-di-ricerca">https://unige.it/usg/it/dottorati-di-ricerca</a>
<b>Further information on how to present qualifications/publications</b>	In presenting their CV, it is important for candidates to highlight the following features as they will be used as evaluative parameters: publications done (e.g. in International Journals, International Conferences, Book Chapters), the degree mark (or equivalent qualification) obtained, work experience and acquired skills. It is also important for candidates to highlight the following features when presenting their research project as they will be used as evaluative parameters: Relevance to the research themes that appear in this public exam, Originality, Execution modalities, Feasibility, Clear presentation/exposition. The outline for the presentation of the research project plan, which should not exceed 10 should give an idea of the motivations and logic foundation, objectives and a preliminary.
<b>Exam Syllabus</b>	The interview will aim to verify the candidate's competence in relation to the listed research topics and the methodological ability to deal with research problems. In addition, the interview will also focus on the themes of the research project, inherent to the listed research themes, presented by the candidate. The interviews may also take place electronically with a Skype or Teams connection, video included to check identity, on request to the Coordinator of the Doctoral Course, Prof. Anna Sciomachen, by email to <a href="mailto:sciomach@economia.unige.it">sciomach@economia.unige.it</a> .
<b>Research Themes</b>	<ol style="list-style-type: none"> <li>1. Complex Systems Analysis</li> <li>2. Computational Intelligence &amp; AI</li> <li>3. Conflict management</li> <li>4. Crowdsourcing</li> <li>5. Cyber Security</li> <li>6. Decision Making</li> <li>7. Game Theory</li> <li>8. Green Transition</li> <li>9. Modelling</li> <li>10. International &amp; Law Affairs</li> <li>11. Logistics &amp; Supply Chain Management</li> <li>12. Modeling (Human Behavior, Systems)</li> <li>13. Optimization: Models and Methods</li> <li>14. Project Management</li> <li>15. Simulation</li> <li>16. Safety and security</li> <li>17. Sanitation, Hygiene</li> <li>18. Risk Analysis</li> <li>19. Strategic Engineering</li> <li>20. Strategic Planning &amp; Management</li> <li>21. Strategies in: Defence &amp; Aerospace, Economy, Health care, Industry and Industrial Plants, Informatics &amp; Communication Technologies, Water</li> <li>22. Systems Engineering.</li> </ol> <p>More detailed information on the specific themes at the web site: <a href="http://www.simulationteam.com/strategos/phd">www.simulationteam.com/strategos/phd</a>.</p>
<b>Information on references</b>	Candidates must choose not less than one and not more than three referees to support their candidature. The referees must be university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the public notice, to the Coordinator of the Doctoral Course at the following addresses: <a href="mailto:sciomach@economia.unige.it">sciomach@economia.unige.it</a> . The name, status and service place of the referees chosen by the candidates must be stated in their applications. The candidates' aptitude for scientific research must emerge from the contents of the reference letters.
<b>Foreign Languages</b>	English

<b>Further Information</b>	For further information please contact the Doctoral Program Committee Members: Agostino Bruzzone ( <a href="mailto:agostino@itim.unige.it">agostino@itim.unige.it</a> ), Elvezia Cepolina ( <a href="mailto:elvezia.maria.cepolina@unige.it">elvezia.maria.cepolina@unige.it</a> ), Anna Sciomachen ( <a href="mailto:sciomach@economia.unige.it">sciomach@economia.unige.it</a> ).
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