

SCIENTIFIC DISCIPLINARY AREA: MATHEMATICS AND INFORMATICS

RESEARCH PROGRAM NO. 1

The assessment criteria for the qualifications and the interview will be affixed on 19.12.2018 at 10.30 in Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS), Via Dodecaneso 35, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 19.12.2018 at 14.00 in Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS), Via Dodecaneso 35, Genova.

The interview will be held on 19.12.2018 at 14.30 in Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS), Via Dodecaneso 35, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

Scientific coordinator: Prof. Barbara CATANIA

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Advanced techniques of physical, logical and external tuning of databases subject to intensive schema evolution.

Description: The tuning of data management systems refers to all the activities carried out, physically, logically and externally, to optimize system performance. Tuning techniques are extremely important in the presence of an uncontrolled evolution of the database schema, which can lead to making choices not aligned with the current workload, worsening performance. The objective of the proposed research is to deepen the study of physical, logical and external tuning techniques and to evaluate their application in situations with intensive schema evolution. The research will have to be applied to a concrete case study, represented by the information system for didactical management of a University.

Scientific disciplinary sector: INF/01 INFORMATICA

Place: DIBRIS – Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi – la ricerca si svolgerà presso CeDIA – Centro Dati, Informatica e telematica di Ateneo

Required degree:

Larea V.O in Informatica

Laurea Specialistica delle classi: 23/S Informatica, 35/S Ingegneria informatica

Laurea Magistrale delle classi: LM-18 Informatica, o LM-32 Ingegneria informatica.

Subjects of the interview:

- Techniques for indexing and optimization of queries in data management systems.
- Management of competition and recovery in a data management system.
- Analysis and design of databases.
- Database tuning.

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 2

The assessment criteria for the qualifications and the interview will be affixed on 19.12.2018 at 10.00 in Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS), Via Dodecaneso 35, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 19.12.2018 at 14.00 in Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS), Via Dodecaneso 35, Genova.

The interview will be held on 19.12.2018 at 15.30 in Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS), Via Dodecaneso 35, Genova.

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Scientific coordinator: Prof. Giovanna GUERRINI

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Geo-spatial knowledge: representation through embeddings and role for the extraction of implicit geolocation information.

Description: Many texts of different shape and length (from microblog posts to news) refer to objects with a geographical position by means of toponyms or geo-terms. To associate this implicit position with texts, geo-spatial ontologies can be exploited as external knowledge. Existing geo-spatial ontologies are very diverse in terms of authority, completeness, semantic richness. In the field of natural language processing, embeddings are often used, thanks to their ability to capture semantic relations between words. We will analyze the use of terms embeddings to represent geographic knowledge, comparing different existing ontologies, with specific reference to the extraction of implicit geo-localization information.

Scientific disciplinary sector: INF/01 INFORMATICA

Place: Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS)

Required degree:

Laurea Magistrale delle classi: LM-18 Informatica

Subjects of the interview:

- Semantic Web, ontologies, languages for knowledge representation and querying.
- Spatial data and knowledge: representation, retrieval and querying (GIS, spatial ontologies etc.).
- Embedding of terms for Natural Language Processing.

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 3

The assessment criteria for the qualifications and the interview will be affixed on 21.12.2018 at 10.30 in Dipartimento di Fisica (DIFI), Via Dodecaneso 33, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 21.12.2018 at 19.00 in Dipartimento di Fisica (DIFI), Via Dodecaneso 33, Genova.

The interview will be held on 8.1.2019 at 10.00 in Dipartimento di Fisica (DIFI), Via Dodecaneso 33, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

As regards candidates, who are not resident or domiciled in Italy, and those, who are resident or habitually domiciled at a distance of more than 300 Km from the selection centre, the interview, if requested, can also be held by electronic means (SKYPE video conference call) promptly contacting Prof. Marco PALLAVICINI on the phone number +39 0103536661 or via the email address: marco.pallavicini@unige.it.

Scientific coordinator: Prof. Marco PALLAVICINI

NO. 1 research fellowship - Duration 2 years – Annual pre-tax amount: € 19.367,00

Title: Development of Liquid Argon detectors for applications in the search of Dark Matter, in neutrino physics and for medical and industrial applications.

Description: The activity will develop in the context of the DarkSide experiment at Gran Sasso and the DUNE experiment in the USA. The candidate will work on the development of a neutron veto made with Liquid Argon and Gadolinium doped scintillators (or other suitable elements for neutron capture). The candidate will also be involved in DUNE for the study of neutrino properties. The adopted technologies might have relevant applications in medical diagnostic and industry and the candidate will devote part of his/her time to study this possibility.

Scientific disciplinary sector: FIS/01 FISICA SPERIMENTALE

Place: Dipartimento di Fisica (DIFI)

Required degree:

Laurea magistrale della classe LM-17 Fisica.

Subjects of the interview:

- 1) Development of Liquid Argon detectors for Dark Matter search. Directionality in noble liquids.
- 2) Neutron detectors based on Liquid Argon technologies and doped-scintillators.
- 3) Application of liquid argon detectors to neutrino physics, medicine and industry.

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 4

The assessment criteria for the qualifications and the interview will be affixed on 19.12.2018 at 12.00 in Dipartimento di Fisica (DIFI), Via Dodecaneso 33, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 19.12.2018 at 18.00 in Dipartimento di Fisica (DIFI), Via Dodecaneso 33, Genova.

The interview will be held on 20.12.2018 at 14.30 in Dipartimento di Fisica (DIFI), Via Dodecaneso 33, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

As regards candidates, who are not resident or domiciled in Italy, and those, who are resident or habitually domiciled at a distance of more than 300 Km from the selection centre, the interview, if requested, can also be held by electronic means (SKYPE video conference call) promptly contacting Prof. Fabrizio PARODI via the email address: Fabrizio.Parodi@ge.infn.it.

Scientific coordinator: Prof. Fabrizio PARODI

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Development of new techniques for b-jet trigger and their applications to the study of the decay of the Higgs boson in b-quark pairs with the ATLAS experiment at the LHC collider.

Description: The Genoa group has contributed to the design and construction of the pixel detectors of the ATLAS experiment at CERN and continues the R&D activities of this type of detectors. The winner of this procedure should contribute to the testing of pixel detectors, their assembly and quality control procedures. The main activity of the grant will be aimed at developing new techniques to trigger b-jets using machine learning techniques exploiting all the information in the event. A large part of this information comes from the pixel detector, being the closest to the interaction center. Part of the grant activity will also focus on the applications of the proposed trigger strategies to the study of the Higgs boson decay to b-quark pairs.

Scientific disciplinary sector: FIS/01 FISICA SPERIMENTALE

Place: Dipartimento di Fisica (DIFI)

Required degree:

Laurea Magistrale della classe LM-17 Fisica.

Subjects of the interview:

Knowledge of particle detectors based on silicon semiconductors and their properties. Familiarity with trigger techniques and analysis of data from high-energy physics experiments.

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 5

The assessment criteria for the qualifications and the interview will be affixed on 19.12.2018 at 18.00 in Dipartimento di Fisica (DIFI), Via Dodecaneso 33, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 20.12.2018 at 18.00 in Dipartimento di Fisica (DIFI), Via Dodecaneso 33, Genova.

The interview will be held on 21.12.2018 at 9.30 in Dipartimento di Fisica (DIFI), Via Dodecaneso 33, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

As regards candidates, who are not resident or domiciled in Italy, and those, who are resident or habitually domiciled at a distance of more than 300 Km from the selection centre, the interview, if requested, can also be held by electronic means (SKYPE video conference call) promptly contacting Prof. Daniele MARRÉ on the phone number +39 0103536446 or via the email address: marre@fisica.unige.it.

Scientific coordinator: Prof. Daniele MARRÉ

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Deposition and characterization of heterostructures based on functional oxides.

Description: The research program is focused on the deposition and characterization of heterostructures of transition metal oxides that exhibit a two-dimensional electronic gas at the interface.

In particular, the fellow must deposit via Molecular Beam Epitaxy or Pulsed Lased Deposition, heterostructures such as ZnO/(Zn,Mg)O in which a high mobility 2D gas is formed. The samples will be characterized from a structural and morphological point of view and the transport properties will be measured in order to highlight quantum effects in the electrical conductivity and in the Hall effect. Measurements will be performed at low temperature and high magnetic field both at DIFI laboratories and at international facilities for high magnetic fields.

Scientific disciplinary sector: FIS/03 FISICA DELLA MATERIA

Place: Dipartimento di Fisica (DIFI)

Required degree:

Laurea Specialistica delle classi: 20/S Fisica, o 61/S Scienza e ingegneria dei materiali

Laurea Magistrale delle classi: LM-17 Fisica, o LM-53 Scienza e ingegneria dei materiali.

Subjects of the interview:

- Deposition of transition metal oxides with physical methods with particular reference to Zinc oxide.
- Structural and morphological characterization of thin films and heterostructures.
- Characterization of electrical transport properties in thin films and heterostructures at low temperature and high magnetic field.

The candidate will need to prove his/her knowledge of the English language.

SCIENTIFIC DISCIPLINARY AREA: CHEMISTRY
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RESEARCH PROGRAM NO. 6

The assessment criteria for the qualifications and the interview will be affixed on 19.12.2018 at 11.00 in Dipartimento di Chimica e Chimica Industriale (DCCI), Via Dodecaneso 31, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 20.12.2018 at 12.00 in Dipartimento di Chimica e Chimica Industriale (DCCI), Via Dodecaneso 31, Genova.

The interview will be held on 21.12.2018 at 10.00 in Dipartimento di Chimica e Chimica Industriale (DCCI), Via Dodecaneso 31, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

Scientific coordinator: Prof. Gabriele CACCIAMANI

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Study of surface properties of ceramic materials for supralloy casting.

Description: INSURFCAST aims at finding new solutions for precision investment casting processes of complex-shaped superalloy blades, through the understanding of the solid-liquid phenomena occurring at the alloy-mould interface. The innovation objective is the reduction of expensive operations of finishing after casting, and blades rejections or failure. The project involves Italian and Polish research laboratories using several advanced experimental and theoretical methods, in strict synergy and interaction with the metal casting industry.

These results will be obtained through specific wetting tests, microstructural and microchemical characterization of surfaces and interfaces as well as by thermodynamic modelling of the reactivity in selected alloy-ceramic coating systems.

Scientific disciplinary sector: CHIM/03 GENERAL AND INORGANIC CHEMISTRY

Place: Dipartimento di Chimica e Chimica Industriale (DCCI)

Required degree:

Laurea Magistrale delle classi: LM-17 Fisica, LM-22 Ingegneria chimica, LM-53 Scienza e ingegneria dei materiali, LM-54 Scienze chimiche, LM-71 Scienze e tecnologie della chimica industriale.

Subjects of the interview:

Basics of Materials Chemistry including: crystal structure of alloys and ceramics, thermodynamic properties of materials, thermodynamic modelling of materials and processes.

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 7

The assessment criteria for the qualifications and the interview will be affixed on 20.12.2018 at 9.30 in Dipartimento di Chimica e Chimica Industriale (DCCI), Via Dodecaneso 31, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 20.12.2018 at 13.00 in Dipartimento di Chimica e Chimica Industriale (DCCI), Via Dodecaneso 31, Genova.

The interview will be held on 20.12.2018 at 14.30 in Dipartimento di Chimica e Chimica Industriale (DCCI), Via Dodecaneso 31, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

As regards candidates, who are not resident or domiciled in Italy, and those, who are resident or habitually domiciled at a distance of more than 300 Km from the selection centre, the interview, if requested, can also be held by electronic means (SKYPE video conference call) promptly contacting Prof. Davide COMORETTO on the phone number +39 0103538736 or via the email address: davide.comoretto@unige.it.

Scientific coordinator: Prof. Davide COMORETTO

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 31.015,00

Title: Near infrared photonic crystals by inverse vulcanized polymers.

Description: Sulphur-rich materials show very high refractive index and good transparency in the NIR at telecommunication wavelengths being natural candidates for the development of innovative hybrid photonic crystals. Sulphur rich polymers can be obtained by inverse vulcanization where wasted Sulphur is co-polymerized with vinyl-aromatic derivatives. Such materials, called inverse vulcanized polymers, are chemically stable and processable thus representing novel macromolecular architectures highly valuable for photonics. Within the project, such polymers are used joined to suitable fluorescent materials, to grow photonic nanostructures with NIR emission and for sensing.

Scientific disciplinary sector: CHIM/04 CHIMICA INDUSTRIALE

Place: Dipartimento di Chimica e Chimica Industriale (DCCI)

Required degree:

Dottorato di ricerca in Scienze Chimiche, o Dottorato di ricerca in Scienza dei Materiali, o Dottorato di ricerca Fisica.

Subjects of the interview:

Applicant former scientific activity; properties of polymer and hybrid materials for photonics and their processing.

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 8

The assessment criteria for the qualifications and the interview will be affixed on 20.12.2018 at 11.00 in Dipartimento di Scienze della Terra, dell'Ambiente e della Vita (DISTAV), Bacheca PT, Corso Europa 26, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 21.12.2018 at 12.00 in Dipartimento di Scienze della Terra, dell'Ambiente e della Vita (DISTAV), Bacheca PT, Corso Europa 26, Genova.

The interview will be held on 21.12.2018 at 14.00 in Dipartimento di Scienze della Terra, dell'Ambiente e della Vita (DISTAV), Corso Europa 26, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

As regards candidates, who are not resident or domiciled in Italy, and those, who are resident or habitually domiciled at a distance of more than 300 Km from the selection centre, the interview, if requested, can also be held by electronic means (SKYPE video conference call) promptly contacting Prof. Laura GAGGERO on the phone number +39 0103538317 or via the email address: gaggero@dipteris.unige.it.

Scientific coordinator: Prof. Laura GAGGERO

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Implementation of qualitative and quantitative asbestos monitoring in rocks from tunneling excavations by MOCF /XRPD and Scanning Electron Microscopy + EDS.

Description: The activity of the research grant is developed within a wider investigation on microstructural, physical, chemical analyses on inorganic fibrous materials from natural sources. The activity is particularly addressed to the qualitative and quantitative analysis of asbestos in rocks from tunneling excavations by MOCF /XRPD and Scanning Electron Microscopy + EDS.

The analytical activity is to be carried out by the techniques defined by the normative, providing the results in due time within the overall tunneling activity.

Scientific disciplinary sector: GEO/09 GEORISORSE MINERARIE E APPLICAZIONI MINERALOGICO-PETROGRAFICHE PER L'AMBIENTE ED I BENI CULTURALI

Place: Dipartimento di Scienze della Terra, dell'Ambiente e della Vita (DISTAV)

Required degree:

Laurea V.O. in: Scienze Geologiche, o Scienze Naturali, o Scienze Ambientali, o Ingegneria per l'ambiente e il territorio.

Laurea Specialistica delle classi: 38/S Ingegneria per l'ambiente e il territorio, o 68/S Scienze della Natura, o 82/S Scienze e tecnologie per l'ambiente e il territorio, o 85/S Scienze geofisiche, o 86/S Scienze Geologiche.

Laurea magistrale delle classi: LM-26 Ingegneria della sicurezza, o LM-35 Ingegneria per l'ambiente e il territorio, o LM-60 Scienze della Natura, o LM-74 Scienze Geologiche, o LM-75 Scienze e tecnologie per l'ambiente e il territorio, o LM-79 Scienze geofisiche.

Subjects of the interview:

Asbestos mineralogy, morphological and in situ compositional analytical methods.

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 9

The assessment criteria for the qualifications and the interview will be affixed on 20.12.2018 at 9.00 in Dipartimento di Ingegneria Civile, Chimica e Ambientale (DICCA), Via Montallegro 1, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 20.12.2018 at 12.00 in Dipartimento di Ingegneria Civile, Chimica e Ambientale (DICCA), Via Montallegro 1, Genova.

The interview will be held on 20.12.2018 at 16.00 in Dipartimento di Ingegneria Civile, Chimica e Ambientale (DICCA), Via Montallegro 1, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

As regards candidates, who are not resident or domiciled in Italy, and those, who are resident or habitually domiciled at a distance of more than 300 Km from the selection centre, the interview, if requested, can also be held by electronic means (SKYPE video conference call) promptly contacting Prof. Massimiliano BURLANDO on the phone number +39 0103352509 or via the email address: massimiliano.burlando@unige.it.

Scientific coordinator: Prof. Massimiliano BURLANDO

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 31.015,00

Title: Study of downburst outflows measured at full-scale and comparison with experimental wind tunnel data and numerical simulations.

Description: According to the activities of Work Package 2 of the THUNDERR European Project, an analysis of the storm-induced downburst outflows experimentally measured in wind tunnel and numerically simulated is required. These data will be systematically compared with the measurements acquired through the lidar scanner of the THUNDERR project and the instrumentation of the “Wind, ports and sea” anemometric network, with the aim of creating a mathematical model applicable to the wind engineering sector that could represent the space-time evolution of the wind field associated with this phenomenon. Theoretical skills of atmospheric physics and wind engineering are required, as well as data analysis and programming capabilities in the Matlab environment.

Scientific disciplinary sector: GEO/12 OCEANOGRAFIA E FISICA DELL'ATMOSFERA

Place: Dipartimento di Ingegneria Civile, Chimica e Ambientale (DICCA)

Required degree:

Dottorato di ricerca in Meteorologia, o Dottorato di ricerca in Ingegneria civile e ambientale

Subjects of the interview:

- Fundamentals of atmospheric physics and wind engineering.
- Knowledge of wind tunnel testing methods and meteorological numerical simulation.
- Basics of computer programming, knowledge of the Linux operating system and of the Matlab programming language.
- Analysis and management of anemometric data bases and post-processing of meteorological measures.

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 10

The assessment criteria for the qualifications and the interview will be affixed on 7.1.2019 at 9.30 in Dipartimento di Scienze della Terra, dell'Ambiente e della Vita (DISTAV), Corso Europa 26, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 7.1.2019 at 13.00 in Dipartimento di Scienze della Terra, dell'Ambiente e della Vita (DISTAV), Corso Europa 26, Genova.

The interview will be held on 7.1.2019 at 14.00 in Dipartimento di Scienze della Terra, dell'Ambiente e della Vita (DISTAV), Corso Europa 26, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

Scientific coordinator: Prof. Marco CAPELLO

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Monitoring of microplastics in different matrices both abiotic (water and sediment) and biotic (fishes and mussels) for the characterization of a port environment. [EU Project Interreg V-A Italy France Maritime 2014 - 2020 "SPLASH! - Stop alle plastiche in H2O! (Stop Plastics in H2O!)" - CUP D31I18000620007].

Description: The European Project "SPlasH!" will analyze the presence, the origin and the dynamics of the macro- and microplastics in the ports of the area Marittimo. The research will provide data on the dynamics of plastics in the port environment, the inflow and incidence of terrestrial sources, and the distribution of microplastics at different depths in densely populated areas.

Scientific disciplinary sector: GEO/12 OCEANOGRAFIA E FISICA DELL'ATMOSFERA

Place: Dipartimento di Scienze della Terra, dell'Ambiente e della Vita (DISTAV)

Required degree:

Laurea Magistrale delle classi: LM-6 Biologia, o LM-60 Scienze della natura, o LM-74 Scienze e tecnologie geologiche, o LM-75 Scienze e tecnologie per l'ambiente e il territorio.

Subjects of the interview:

Animal tissue sampling techniques, fish visual analysis, heavy metal and hydrocarbon marine pollution, bioremediation techniques, plastic recognition.

RESEARCH PROGRAM NO. 11

The assessment criteria for the qualifications and the interview will be affixed on 19.12.2018 at 10.00 in Dipartimento di Scienze della Terra dell'Ambiente e della Vita (DISTAV), Corso Europa 26, Genova

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 19.12.2018 at 14.00 in Dipartimento di Scienze della Terra dell'Ambiente e della Vita (DISTAV), Corso Europa 26, Genova

The interview will be held on 7.1.2019 at 9.00 in Dipartimento di Scienze della Terra dell'Ambiente e della Vita (DISTAV), Corso Europa 26, Genova

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

Scientific coordinator: Prof. Luigi MINUTO

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Taxonomical revision of *Erysimum* genus in Italy by SDM and molecular analyses.

Description: The projects will apply new methodologies to increase the knowledge about the taxonomical arrangement of *Erysimum* genus. The genus has many problems in species definition and it shows many endemic entities to the Italian peninsula. Previous morphological investigations showed an intricate taxonomy that it should be verified by further additional techniques like molecular investigations and the comparison of the ecological potential niche of each entity.

The concrete products obtainable from the development of this project are:

1. Molecular analyses with nuclear and plastidial sequences of the 35 species living in Italy.
2. Potential niche ecology definition and their differences among species
3. Comparison of molecular and SDM results with morphological assessment for a new taxonomical definition of the genus.
4. Guidelines for the conservation of endangered plant species in the dimension of climate change.

Scientific disciplinary sector: BIO/02 BOTANICA SISTEMATICA

Place: Dipartimento di Scienze della Terra dell'Ambiente e della Vita (DISTAV)

Required degree:

Dottorato di ricerca in Botanica applicata all'agricoltura e all'ambiente.

Subjects of the interview:

Knowledge about Italian endemic plant species. Knowledge about molecular investigations and Species Distribution Models techniques and the definition of the potential ecological niche of each taxonomical entity. The skills of the candidate in working autonomously will be evaluated together with his experience in innovative scientific techniques. The capacity to interact with a working group will be evaluated together with the ability in managing the job.

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 12

The assessment criteria for the qualifications and the interview will be affixed on 19.12.2018 at 10.00 in Dipartimento di Scienze della Terra dell'Ambiente e della Vita (DISTAV), 6° piano, Corso Europa 26, Genova

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 19.12.2018 at 15.00 in Dipartimento di Scienze della Terra dell'Ambiente e della Vita (DISTAV), 6° piano, Corso Europa 26, Genova

The interview will be held on 20.12.2018 at 15.00 in Dipartimento di Scienze della Terra dell'Ambiente e della Vita (DISTAV), 6° piano, Corso Europa 26, Genova

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

As regards candidates, who are not resident or domiciled in Italy, and those, who are resident or habitually domiciled at a distance of more than 300 Km from the selection centre, the interview, if requested, can also be held by electronic means (SKYPE video conference call) promptly contacting Prof. Giorgio BAVESTRELLO on the phone number +39 0103538031 or via the email address: giorgio.bavestrello@unige.it.

Scientific coordinator: Prof. Giorgio BAVESTRELLO

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Feasibility study regarding the Savona's deep sea bottom cleaning from lost fishing gears.

Description: The objective of the project is to verify the feasibility of restoring the naturalness and integrity of the deep coralligenous bioconcretions through the experimentation of recovery strategies of lost fishing gears. The study will be conducted in the Savona's marine territory with the goal of standardizing a cleaning technique hence gradually extending it over the entire Ligurian coast. It is therefore necessary to identify an area within the Savona FLAG district in which carrying out a pilot line project for the removal of lost gears in agreement with the local fishermen community and employing the monitoring techniques of the mesophotic benthic biocoenoses by means of ROV. It is additionally necessary to identify a disposal pathway of the recovered material as well a possible future recycling route and a series of dissemination events for the public.

Scientific disciplinary sector: BIO/05 ZOOLOGIA

Place: Dipartimento di Scienze della Terra dell'Ambiente e della Vita (DISTAV)

Required degree:

Laurea Magistrale della classe LM-6 Biologia

Subjects of the interview:

ROV-Imaging, ecological indexes for the evaluation of marine ecosystems' health status, Marine Strategy, fishing impact, benthic bycatch identification, vulnerable marine ecosystems, GIS, community analysis.

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 13

The assessment criteria for the qualifications and the interview will be affixed on 19.12.2018 at 10.00 in Dipartimento di Medicina Sperimentale (DIMES), sezione di Fisiologia, Viale Benedetto XV/3, Genova

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 19.12.2018 at 14.00 in Dipartimento di Medicina Sperimentale (DIMES), sezione di Fisiologia, Viale Benedetto XV/3, Genova

The interview will be held on 19.12.2018 at 16.00 in Dipartimento di Medicina Sperimentale (DIMES), sezione di Fisiologia, Viale Benedetto XV/3, Genova

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

As regards candidates, who are not resident or domiciled in Italy, and those, who are resident or habitually domiciled at a distance of more than 300 Km from the selection centre, the interview, if requested, can also be held by electronic means (SKYPE video conference call) promptly contacting Prof. Silvia GIOVEDÌ on the phone number +39 0103537967 or via the email address: silvia.giovedi@unige.it.

Scientific coordinator: Prof. Silvia GIOVEDÌ

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Role of the novel neuronal protein KIAA1107 in synaptic vesicle and autophagosome trafficking: implications for Alzheimer's disease.

Description: Recent evidence indicates that severe functional alterations of the autophagic pathways and of synaptic vesicle trafficking occur as early pathogenic events in AD neurons, and that they contribute to synaptic dysfunction and reduced neuronal survival. However, the molecular mechanisms leading to these alterations are basically unknown. This project aims at deepening our understanding of autophagosome trafficking defects and synaptic dysfunction observed in AD by focusing on a previously uncharacterized neuronal protein named KIAA1107, involved in these processes. Its expression is also significantly reduced in AD patients. We think that an altered KIAA1107 level or a perturbation of its function may contribute to the pathogenesis of the precocious neuronal alterations observed in AD.

Scientific disciplinary sector: BIO/09 FISIOLOGIA

Place: Dipartimento di Medicina Sperimentale (DIMES)

Required degree:

Laurea Magistrale delle classi: LM-6 Biologia, LM-9 Biotecnologie mediche, veterinarie e farmaceutiche, LM-13 Farmacia e farmacia industriale, LM-41 Medicina e chirurgia

Subjects of the interview:

Master thesis, research experiences and laboratory skills.

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 14

The assessment criteria for the qualifications and the interview will be affixed on 19.12.2018 at 10.00 in Dipartimento di Medicina Sperimentale (DIMES), sezione di Biochimica, Viale Benedetto XV/1, Genova

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 19.12.2018 at 13.00 in Dipartimento di Medicina Sperimentale (DIMES), sezione di Biochimica, Viale Benedetto XV/1, Genova

The interview will be held on 19.12.2018 at 15.00 in Dipartimento di Medicina Sperimentale (DIMES), sezione di Biochimica, Viale Benedetto XV/1, Genova

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

As regards candidates, who are not resident or domiciled in Italy, and those, who are resident or habitually domiciled at a distance of more than 300 Km from the selection centre, the interview, if requested, can also be held by electronic means (SKYPE video conference call) promptly contacting Prof. Santina BRUZZONE on the phone number +39 010 3538161 or via the email address: santina.bruzzone@unige.it.

Scientific coordinator: Prof. Santina BRUZZONE

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: New therapeutic strategy: P2X7 and SIRT6.

Description: The post-doc will verify the efficacy and mechanism of action of inhibitors of two new therapeutic targets (P2X7 and SIRT6), in different models of diseases. Both the P2X7 receptor and the enzyme SIRT6 play an important role in inflammation.

The therapeutic efficacy of P2X7 inhibition will be evaluated in a murine model of muscle dystrophy (LGMD2D), an inherited disorder characterized by skeletal muscle degeneration and premature death. This pathology is worsened by inflammatory processes. Moreover, the effects of extracellular ATP, the P2X7 agonist, will be characterized on myoblasts isolated from patients with LGMD2D.

Moreover, a number of SIRT6 inhibitors will be optimized and tested on models of pathologies with an inflammatory component.

Scientific disciplinary sector: BIO/10 BIOCHIMICA

Place: Dipartimento di Medicina Sperimentale (DIMES)

Required degree:

Laurea Magistrale delle classi: LM-6 Biologia, LM-9 Biotecnologie mediche, veterinarie e farmaceutiche, LM-13 Farmacia e farmacia industriale, LM-54 Scienze chimiche

Subjects of the interview:

Physiopathology of P2X7 and SIRT6. Techniques of cellular biology, molecular biology and biochemistry.

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 15

The assessment criteria for the qualifications and the interview will be affixed on 19.12.2018 at 10.00 in Dipartimento di Scienze della Terra, dell'Ambiente e della Vita (DISTAV), Corso Europa 26, Genova

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 19.12.2018 at 13.00 in Dipartimento di Scienze della Terra, dell'Ambiente e della Vita (DISTAV), Corso Europa 26, Genova

The interview will be held on 19.12.2018 at 16.00 in Dipartimento di Scienze della Terra, dell'Ambiente e della Vita (DISTAV), Corso Europa 26, Genova

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

Scientific coordinator: Prof. Luigi VEZZULLI

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Analysis of toxigenic *Vibrio cholerae* strains collected by “Continuous Plankton Recorder” in lake Tanganyika (Tanzania).

Description: In this project the presence and nature of *Vibrio cholerae* genotypes of clinical relevance (the causative agent of cholera) will be assessed by culture and non-culture microbiological techniques (including advanced molecular techniques based on Next Generation Sequencing) applied on environmental samples collected by the Continuous Plankton Recorder (CPR) along a 500 km route across lake Tanganyika (Tanzania). At the core of the proposal is the idea of applying for the first time the CPR technology to address the “Cholera lake reservoir hypothesis” in a great African Lake.

Scientific disciplinary sector: BIO/19 MICROBIOLOGIA GENERALE

Place: Dipartimento di Scienze della Terra, dell'Ambiente e della Vita (DISTAV)

Required degree:

Laurea Magistrale della classe LM-6 Biologia

Subjects of the interview:

- Biology and ecology of marine bacteria.
- *Vibrio cholerae* and other vibrios pathogenic for humans and animals: biology, ecology and pathogenicity.
- Isolation, cultivation, identification and typing of marine pathogenic bacteria (culture and molecular based assays also based on "next generation sequencing" protocols. Target enrichment techniques and molecular analysis of complex environmental samples.

SCIENTIFIC DISCIPLINARY AREA: MEDICINE

RESEARCH PROGRAM NO. 16

The assessment criteria for the qualifications and the interview will be affixed on 20.12.2018 at 8.30 in Dipartimento di medicina interna e specialità mediche (DIMI), Viale Benedetto XV 6, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 20.12.2018 at 11.30 in Dipartimento di medicina interna e specialità mediche (DIMI), Viale Benedetto XV 6, Genova.

The interview will be held on 20.12.2018 at 12.00 in Dipartimento di medicina interna e specialità mediche (DIMI), Viale Benedetto XV 6, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

Scientific coordinator: Prof. Fabrizio MONTECUCCO

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Assessment of Nivolumab cardiotoxicity in patients with advanced lung cancer.

Description: Cancer immunotherapy increased clinical response to lung cancer. In a retrospective clinical study, we will evaluate the prognostic relevance (patient death) of inflammatory biomarkers on serum samples (already collected and stored at -80°C) from patients treated with Nivolumab. The biomarkers (neutrophil proteases, adipocytokines, Osteopontin, Sclerostin and PCSK9) will be assessed by ELISA. The statistical analysis of these results will be performed and hopefully a clinical research article will be written and published.

Scientific disciplinary sector: MED/09 MEDICINA INTERNA

Place: Dipartimento di medicina interna e specialità mediche (DIMI)

Required degree:

Laurea Magistrale della classe LM-41 Medicina e chirurgia.

Subjects of the interview:

- Pathophysiological role of inflammatory molecules in atherosclerosis, neurological and autoimmune diseases.
- Knowledge of ELISA methodology.

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 17

The assessment criteria for the qualifications and the interview will be affixed on **20.12.2018** at **9.00** in Dipartimento di medicina interna e specialità mediche (DIMI), Viale Benedetto XV 6, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on **20.12.2018** at **12.00** in Dipartimento di medicina interna e specialità mediche (DIMI), Viale Benedetto XV 6, Genova.

The interview will be held on **20.12.2018** at **12.30** in Dipartimento di medicina interna e specialità mediche (DIMI), Viale Benedetto XV 6, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

Scientific coordinator: Prof. Antonino PICCIOTTO

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Counseling and care of patients with HCV-related cryoglobulinemic nephropaty.

Description: HCV infection may determine a damage toward several organs, named “HCV-disease”. HCV- Cryoglobulinemic syndrome induces in many cases a chronic renal disease, the need of dialysis and renal transplantation.

Aim of the study is to perform the best diagnostic and therapeutic pathway for the HCV-patient with nephropaty and counsel him about the history, the outcome and the management of the disease.

Scientific disciplinary sector: MED/12 GASTROENTEROLOGIA

Place: Dipartimento di medicina interna e specialità mediche (DIMI)

Required degree:

Laurea V.O. in Scienze biologiche.

Laurea Specialistica delle classi: 6/S Biologia, o 69/S Scienze della nutrizione umana.

Laurea Magistrale delle classi: LM-6 Biologia, o LM-61 Scienze della nutrizione umana.

Subjects of the interview:

- Diagnosis of cryoglobulinemia.
- Cryoglobulinemic syndrome.
- Management of patient with HCV-infection.

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 18

The assessment criteria for the qualifications and the interview will be affixed on 21.12.2018 at 8.00 in Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOEMI), Largo Paolo Daneo 3, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 21.12.2018 at 11.00 in Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOEMI), Largo Paolo Daneo 3, Genova.

The interview will be held on 21.12.2018 at 11.30 in Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOEMI), Largo Paolo Daneo 3, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

Scientific coordinator: Prof. Leonardo COCITO

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Novel, creatine-derived pharmacological compounds.

Description: The project concerns the experimental study of new chemicals, derived from creatine, able to easily cross cell membranes. Creatine is strongly polar, therefore poorly soluble in lipids and biological membranes. It uses a transporter that carries it slowly and incompletely. It therefore has difficulty in reaching the target tissue, especially the brain and neurons. A molecule derived from creatine that was more soluble in lipids could cross biological membranes more easily, and could therefore be more bioavailable and effective than the creatine from which it derives. We will therefore experiment in vitro with new molecules of this nature.

Scientific disciplinary sector: MED/26 NEUROLOGIA

Place: Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOEMI)

Required degree:

Dottorato di ricerca in Neuroscienze.

Subjects of the interview:

- Metabolism of creatine. Its uses in neurological therapy.
- Methods of research in this field.

RESEARCH PROGRAM NO. 19

The assessment criteria for the qualifications and the interview will be affixed on 19.12.2018 at 9.00 in Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOEMI), Clinica Neurologica, Largo Paolo Daneo 3 (ex via De Toni 5), Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 20.12.2018 at 9.00 in Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOEMI), Clinica Neurologica, Largo Paolo Daneo 3 (ex via De Toni 5), Genova.

The interview will be held on 20.12.2018 at 12.30 in Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOEMI), Clinica Neurologica, Largo Paolo Daneo 3 (ex via De Toni 5), Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

Scientific coordinator: Prof. Elisa PELOSIN

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Clinical and functional evaluation for an observational study aimed to create a National registry to better understand the illness and to improve the care of PD patients.

Description: The purpose of this project is to create a National Registry to collect demographic, clinical and functional data on individuals with PD throughout an observational study. The data collected will be used by clinicians and researchers to better understand the illness and to improve the care of PD patients. The National Registry will contain information about the patient's Parkinson's disease and other comorbid illness, patient assessments of PD related to disease severity, physical disability and clinician tests of mobility. The tests and questionnaire instruments are currently in regular use in clinical practice. The intent of the registry is not to evaluate the instruments themselves but to collect essential data from previously validated tools.

Scientific disciplinary sector: MED/26 NEUROLOGIA

Place: Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOEMI)

Required degree:

Laurea V.O. in Medicina e Chirurgia.

Laurea Specialistica della classe 46/S Medicina e chirurgia.

Laurea Magistrale della classe LM-41 Medicina e chirurgia.

Subjects of the interview:

- Diagnosis, prognosis, comorbidities and pharmacological treatments of Parkinson's disease and its relationship with patients and caregivers quality of life.
- National and international guideline on Parkinson's disease.

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 20

The assessment criteria for the qualifications and the interview will be affixed on 19.12.2018 at 8.00 in Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOEMI), Sala Studio Clinica Oculistica, V piano, Viale Benedetto XV 5, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 19.12.2018 at 11.00 in Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOEMI), Sala Studio Clinica Oculistica, V piano, Viale Benedetto XV 5, Genova.

The interview will be held on 19.12.2018 at 13.00 in Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOEMI), Sala Studio Clinica Oculistica, V piano, Viale Benedetto XV 5, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

Scientific coordinator: Prof. Enrico TRAVERSO

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Path Diagnostic Therapeutic patient suffering from chronic eye diseases associated with aging.

Description: Chronic diseases of the visual system are the leading cause of blindness in the Western world. The progressive lengthening of life, the concomitant presence of metabolic and / or cardiovascular diseases such as diabetes and hypertension and the presence of refractive ocular condition like high myopia are important risk factors. These diseases need a diagnostic and therapeutic approach which can be different. Some ocular diseases need medical treatment (e.g. glaucoma, age related macular degeneration, diabetic retinopathy, retinal venous occlusion and central serous chorioretinopathy).

Scientific disciplinary sector: MED/30 MALATTIE APPARATO VISIVO

Place: Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOEMI)

Required degree:

Laurea Specialistica della classe 46/S Medicina e chirurgia.

Laurea Magistrale della classe LM-41 Medicina e chirurgia.

Subjects of the interview:

Major chronic ocular diseases and the ability to perform related instrumental diagnostic procedures.

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 21

The assessment criteria for the qualifications and the interview will be affixed on 20.12.2018 at 9.30 in Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili (DINOEMI), Istituto “G. Gaslini”, Neurologia Pediatrica e Malattie Muscolari, Padiglione 16, I Piano, Via Gaslini, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 20.12.2018 at 12.30 in Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili (DINOEMI), Istituto “G. Gaslini”, Neurologia Pediatrica e Malattie Muscolari, Padiglione 16, I Piano, Via Gaslini, Genova.

The interview will be held on 20.12.2018 at 13.00 in Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili (DINOEMI), Istituto “G. Gaslini”, Neurologia Pediatrica e Malattie Muscolari, Padiglione 16, I Piano, Via Gaslini, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

Scientific coordinator: Prof. Pasquale STRIANO

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 23.250,00

Title: Delineating the molecular pathway and pathogenic mechanism underlying autosomal dominant lateral temporal epilepsy (ADLTE).

Description: Autosomal dominant lateral temporal epilepsy (ADLTE) is a syndrome characterized by seizures with auditory symptoms. Mutations that cause ADLTE are found in the LGI1 and RELN genes expressed in the brain, which altogether have changed in about 50% of families. The aim of the project is to determine the neurobiological dysfunctions associated with mutations in the LGI1 and RELN genes through the study of nerve cells derived from patients fibroblasts through the generation and differentiation of induced pluripotent cells (IPS cells). Toward this aim, IPS cells of patients will be generated by cell reprogramming techniques and differentiated into neuronal cells and analyzed to evaluate the specific morpho-functional characteristics. In particular, a comparative analysis will be conducted to verify arborization, synaptic density, intrinsic excitability and synaptic transmission.

Scientific disciplinary sector: MED/38 PEDIATRIA GENERALE E SPECIALISTICA

Place: Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOEMI)

Required degree:

Laurea Magistrale delle classi: LM-6 Biologia, o LM-9 Biotecnologie mediche, veterinarie e farmaceutiche.

Subjects of the interview:

- Epilepsy genetics.
- Epileptic encephalopathies.
- Diagnostic techniques in epilepsy.

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 22

The assessment criteria for the qualifications and the interview will be affixed on 20.12.2018 at 9.00 in Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili (DINOEMI), Istituto “G. Gaslini”, U.O. di Neuropsichiatria Infantile, Largo Gaslini 5, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 20.12.2018 at 13.00 in Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili (DINOEMI), Istituto “G. Gaslini”, U.O. di Neuropsichiatria Infantile, Largo Gaslini 5, Genova.

The interview will be held on 20.12.2018 at 14.00 in Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili (DINOEMI), Istituto “G. Gaslini”, U.O. di Neuropsichiatria Infantile, Largo Gaslini 5, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

Scientific coordinator: Prof. Edvige VENESELLI

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Transcranial Direct Current Stimulation Treatment (tDSC) in cognitive, speech and attention empowerment in RETT Syndrome.

Description: Rett syndrome (RTT) is a rare disease characterized by intellectual disability, hand stereotypies, gait dysfunction, epilepsy, which requires a multidisciplinary symptomatic treatment.

We propose a study with Transcranial Direct Current Stimulation (tDCS). tDCS showed cognitive improvement in various paediatric disease, with safety.

Objectives: to assess the short and long-term effect of tDCS on attention, learning and cognitive skills empowerment, to slow down the functional regression of the disease and confirm the safety of the procedure.

Recruitment: 10-35 yrs-old patients, experimental group with tDCS and eyetracker training for 5 consecutive days/ control group.

We will compare pre-tDCS and post-tDCS data to evaluate the effective improvement (30% of basic values). The Specialization in Child Neuropsychiatry with adequate scientific production deriving from magazines with IF will be a preferential title.

Scientific disciplinary sector: MED/39 NEUROPSICHIATRIA INFANTILE

Place: Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOEMI)

Required degree:

Laurea Magistrale della classe LM-41 Medicina e chirurgia.

Subjects of the interview:

- Rett Syndrome: diagnosis, clinical aspects and treatment.
- Transcranial Direct Current (tDCS), intellectual disability, multi handicap, knowledge of superior cognitive functions.

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 23

The assessment criteria for the qualifications and the interview will be affixed on 19.12.2018 at 13.00 in Dipartimento di scienze della salute (DISSAL), Via Antonio Pastore 1, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 20.12.2018 at 9.00 in Dipartimento di scienze della salute (DISSAL), Via Antonio Pastore 1, Genova.

The interview will be held on 20.12.2018 at 12.00 in Dipartimento di scienze della salute (DISSAL), Via Antonio Pastore 1, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

Scientific coordinator: Prof. Maria Luisa CRISTINA

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Management issues analysis of a digestive endoscopy unit for the prevention of infections related to the procedures of endoscopic retrograde cholangiopancreatography (ERCP).

Description: Endoscopic procedures, despite improvements in knowledge and practice, can be a risk factor for the transmission of infections.

In recent years, numerous scientific articles have been published underlining not only to the crucial role of reprocessing in particular of duodenoscopes (used for ERCP procedures) in the transmission of infections, but also the need for an integrated approach to risk control, developing synergies with all involved hospital services and innovative management models.

The objective of the research is therefore addressed to the analysis of management aspects (such as organization of work activities, personnel management, equipment provisioning, establishment of a control system, etc.) aimed at the prevention of infections related to ERCP procedures.

Scientific disciplinary sector: MED/42 IGIENE GENERALE E APPLICATA

Place: Dipartimento di scienze della salute (DISSAL)

Required degree:

Laurea V.O. in Economia e commercio

Laurea Specialistica delle classi: 64/S in Scienze dell'economia, o 84/S in Scienze economico-aziendali.

Laurea Magistrale delle classi: LM-56 Scienze dell'economia, o LM-77 Scienze economico-aziendali.

Subjects of the interview:

The candidate has to demonstrate competence in issues related to research, collection, processing and evaluation of data on economic and management aspects in the field of healthcare-associated infections.

The candidate has to demonstrate the ability to present and discuss the scientific activity carried out, a good culture in the field of economics and healthcare management together with knowledge and implementation of the evaluation systems Root Cause Analysis and Carmina. The candidate has also to demonstrate skills in utilization of the main statistical softwares (STATA SE etc.).

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 24

The assessment criteria for the qualifications and the interview will be affixed on 19.12.2018 at 10.00 in Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOEMI), Clinica Neurologica, Largo Paolo Daneo 3 (ex via De Toni 5), Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 20.12.2018 at 12.00 in Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOEMI), Clinica Neurologica, Largo Paolo Daneo 3 (ex via De Toni 5), Genova.

The interview will be held on 21.12.2018 at 10.00 in Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOEMI), Clinica Neurologica, Largo Paolo Daneo 3 (ex via De Toni 5), Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

Scientific coordinator: Prof. Elisa PELOSIN

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Boosting the brain: effect of cortical stimulation protocol on motor performance under dual task condition in patients with Parkinson's disease.

Description: The present study aims to explore the effects of dorso-lateral-prefrontal cortex (dLPFC) neuromodulation via transcranial direct current stimulation (tDCS), on gait performance during dual-task condition in patients with Parkinson's disease. Evidence has been shown that the dual task heightens walking deficits and increases the risk of falls. Recent studies have also demonstrated that a single session of tDCS can improve walking speed and stride length in patient's with Parkinson's disease. This approach could potentially allow shorter training sessions with greater effectiveness. The challenge of rehabilitation is to create new interventions that are efficient and able to promote motor learning in order to prolong its effectiveness over time.

Scientific disciplinary sector: MED/48 SCIENZE INFERMIERISTICHE E TECNICHE NEURO-PSICHIATRICHE E RIABILITATIVE

Place: Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOEMI)

Required degree:

Laurea Magistrale della classe LM/SNT2 Scienze riabilitive delle professioni sanitarie.

Subjects of the interview:

- Scientific evidence, guidelines and physical therapy approaches for patients with Parkinson's disease.
- Principles and techniques of non-invasive cortical neuromodulation.
- Motor and cognitive assessment tests.
- Principles of statistical analysis.

The candidate will need to prove his/her knowledge of the English language.

SCIENTIFIC DISCIPLINARY AREA: CIVIL ENGINEERING AND ARCHITECTURE

RESEARCH PROGRAM NO. 25

The assessment criteria for the qualifications and the interview will be affixed on 20.12.2018 at 9.00 in Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS), Campus di Savona, Palazzina Marchi, Via A. Magliotto 2, Savona.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 20.12.2018 at 13.00 in Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS), Campus di Savona, Palazzina Marchi, Via A. Magliotto 2, Savona.

The interview will be held on 20.12.2018 at 15.30 in Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS), Campus di Savona, Palazzina Marchi, Via A. Magliotto 2, Savona.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

As regards candidates, who are not resident or domiciled in Italy, and those, who are resident or habitually domiciled at a distance of more than 300 Km from the selection centre, the interview, if requested, can also be held by electronic means (SKYPE video conference call) promptly contacting Prof. Giorgio BONI on the phone number +39 019230271 or via the email address: info@cimafoundation.org.

Scientific coordinator: Prof. Giorgio BONI

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 27.133,00

Title: Extreme rains in complex orography areas: high resolution meteorological modelling on heterogeneous computing architectures (high performance computing, cloud computing, grid computing).

Description: This research aims to support the characterization and forecasting of meteorological phenomena on complex orography, through high-resolution meteorological simulations comprehensive of variational assimilation of satellite observations, radar observations, and in situ weather stations data, to improve skills of operational hydro-meteorological and forest fire risk warning systems, as well as renewable energies production prediction. The topic will be focused on the a) execution of high-resolution meteorological simulations on high performance computing, and cloud computing solutions b) identification of optimal physical and numerical setup; c) automatization of acquisition of satellite data, radar observations and in situ weather stations for variational assimilation; d) adoption of standard based solutions for results post-processing, and further chaining with hydrologic and impact models.

Scientific disciplinary sector: ICAR/02 COSTRUZIONI IDRAULICHE E MARITTIME E IDROLOGIA

Place: Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS)

Required degree:

Dottorato di ricerca in Informatica

Subjects of the interview:

Computational fluid dynamics, high-performance computing, cloud computing, grid computing, hydro-meteorological forecasting, variational data assimilation, e-Infrastructures, models interoperability and coupling.

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 26

The assessment criteria for the qualifications and the interview will be affixed on 8.1.2019 at 10.00 in Dipartimento di Ingegneria Civile, Chimica e Ambientale (DICCA), Via Montallegro 1, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 8.1.2019 at 13.00 in Dipartimento di Ingegneria Civile, Chimica e Ambientale (DICCA), Via Montallegro 1, Genova.

The interview will be held on 8.1.2019 at 14.00 in Dipartimento di Ingegneria Civile, Chimica e Ambientale (DICCA), Via Montallegro 1, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

As regards candidates, who are not resident or domiciled in Italy, and those, who are resident or habitually domiciled at a distance of more than 300 Km from the selection centre, the interview, if requested, can also be held by electronic means (SKYPE video conference call) promptly contacting Prof. Rossella BOVOLENTA on the phone number +39 0103532505 or via the email address: rossella.bovolenta@unige.it.

Scientific coordinator: Prof. Rossella BOVOLENTA

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Analysis in GIS environment of landslide susceptibility triggered by rainfalls.

Description: The research team has developed an integrated hydrological-geotechnical model to assess, in an almost 3D GIS environment, the susceptibility to landslide failure triggered by rainfall. It is based on the modified CN method for modelling groundwater oscillation and on the Global Limit Balance method applied to each domain cell in the study area. The candidate is required to apply, calibrate and validate this model to different case studies in the Province of Imperia and the Department of Maritime Alps, and discuss with local authorities and Italian-French partners, to support the management of dynamic forecasting in case of intense events. The activity will take place within the framework of the research project INTERREG V-A France - Italy ALCOTRA 2014-2020 AD-VITAM.

Scientific disciplinary sector: ICAR/07 GEOTECNICA

Place: Dipartimento di Ingegneria Civile, Chimica e Ambientale (DICCA)

Required degree:

Laurea Magistrale delle classi: LM-4 Architettura e ingegneria edile-architettura, LM-23 Ingegneria civile, LM-24 Ingegneria dei sistemi edilizi, o LM-26 Ingegneria della sicurezza, o LM-35 Ingegneria per l'ambiente e il territorio, LM-74 Scienze e tecnologie geologiche, LM-80 Geografia e Scienze Territoriali.

Subjects of the interview:

Slope stability, numerical cartography and GIS procedures of 3D analysis.

The candidate will need to prove his/her knowledge of English and/or French languages.

RESEARCH PROGRAM NO. 27

The assessment criteria for the qualifications and the interview will be affixed on 19.12.2018 at 9.00 in Dipartimento di Ingegneria Civile, Chimica e Ambientale (DICCA), via Montallegro 1, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 19.12.2018 at 15.00 in Dipartimento di Ingegneria Civile, Chimica e Ambientale (DICCA), via Montallegro 1, Genova.

The interview will be held on 21.12.2018 at 9.00 in Dipartimento di Ingegneria Civile, Chimica e Ambientale (DICCA), via Montallegro 1, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

As regards candidates, who are not resident or domiciled in Italy, and those, who are resident or habitually domiciled at a distance of more than 300 Km from the selection centre, the interview, if requested, can also be held by electronic means (SKYPE video conference call) promptly contacting Prof. Antonio BRENCICH on the phone number +39 335818732 or via the email address: brencich@dicca.unige.it.

Scientific coordinator: Prof. Antonio BRENCICH

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Methodologies for assessing the safety of buildings: preliminary survey, mapping the damage, preliminary safety estimation, monitoring, quick and with medium to high detail estimate of the structural safety. case studies: buildings of the university of genoa.

Description: Setting of a procedure for inspection and safety assessment of buildings to be applied to the structures of the University of Genoa according to sequential phases:

- I. visual inspection: criteria for identifying imminent danger, subsequent interventions;
- II. survey of the damages;
- III. monitoring;
- IV. effects of damages on the safety of the building.

The buildings of the University of Genoa are the testing field for the procedure starting from the ones already under control till the most recent ones.

Specific attention to be paid to: i) hollow bricks crumbling; ii) safety of added floors above the roof;; iii) creep.

Scientific disciplinary sector: ICAR/09 TECNICA DELLE COSTRUZIONI

Place: Dipartimento di Ingegneria Civile, Chimica e Ambientale (DICCA)

Required degree:

Dottorato di ricerca in Ingegneria Strutturale o Ingegneria delle Strutture.

Subjects of the interview:

- Basic issues of Structural Engineering (Mechanics of Structures, Structural Engineering).
- Design of r.c. (ordinary and pre-stressed), steel, masonry, wood structures.
- Damage of structures (masonry, reinforced concrete, steel structures) and related procedures for retrofitting/strengthening.
- Assessment of the seismic vulnerability; works for improving the seismic performance of buildings and structures and for upgrading it to the code standards.
- Dynamic response of Structures.
- Monitoring of structures: tools, procedures, reading the data and analysis of the data, alarm levels.
- Basic issues of architectural detailing.

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 28

The assessment criteria for the qualifications and the interview will be affixed on 9.1.2019 at 8.00 in Dipartimento di Ingegneria Civile, Chimica e Ambientale (DICCA), Via Montallegro 1, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 9.1.2019 at 13.00 in Dipartimento di Ingegneria Civile, Chimica e Ambientale (DICCA), Via Montallegro 1, Genova.

The interview will be held on 9.1.2019 at 14.30 in Dipartimento di Ingegneria Civile, Chimica e Ambientale (DICCA), Via Montallegro 1, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

Scientific coordinator: Prof. Sergio LAGOMARSINO

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Equivalent frame modelling of masonry buildings and idealization of the flange effect.

Description: The seismic assessment of existing masonry buildings is usually based on the nonlinear modelling through an equivalent frame, formed by vertical masonry piers and horizontal spandrels. Such approach is adopted by the relevant international codes and recommendations, but a robust validation in the case of irregular walls is still lacking. In particular a relevant aspect is the modelling of flange effect. The objective of the research is, after the state of the art, the systematic modelling of irregular walls and of their assembling through continuous nonlinear finite models, in order to obtain reference solutions for the validation of the equivalent frame models. The final deliverable is the formulation of rules and simplified criteria to address the robust and reliable modelling.

Scientific disciplinary sector: ICAR/09 TECNICA DELLE COSTRUZIONI

Place: Dipartimento di Ingegneria Civile, Chimica e Ambientale (DICCA)

Required degree:

Laurea Magistrale delle classi: LM-4 Architettura e ingegneria edile-architettura, LM-23 Ingegneria civile, LM-24 Ingegneria dei sistemi edilizi, o LM-26 Ingegneria della sicurezza

Subjects of the interview:

The interview is aimed to verify the knowledge of the Candidate over the following general themes: seismic response of the existing masonry buildings; linear and nonlinear seismic assessment procedures. Previous experiences and skills in the modeling and seismic analysis of masonry buildings will be a preferential element of evaluation.

RESEARCH PROGRAM NO. 29

The assessment criteria for the qualifications and the interview will be affixed on 19.12.2018 at 15.00 in Dipartimento Architettura e Design (DAD), Stradone S. Agostino 37, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 21.12.2018 at 15.00 in Dipartimento Architettura e Design (DAD), Stradone S. Agostino 37, Genova.

The interview will be held on 28.12.2018 at 15.00 in Dipartimento Architettura e Design (DAD), Stradone S. Agostino 37, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

Scientific coordinator: Prof. Enrico DASSORI

NO. 2 research fellowships - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: The San Martino (Genoa) Master Plan concerning new headquarters of Medical and Pharmacy Sciences School: The analysis of the economics feasibility, research of the energetics and firefighting solutions.

Description: As part of the Masterplan that the Policlinico S. Martino is preparing for the arrangement of the interior of the hospital wing, research grants are intended to study the possibility of settling in some pavilions included in this area, partly already owned by the University, the building structures of the School of Medical and Pharmaceutical Sciences. In particular, the winners of the competition will have to evaluate the settlement potential of these buildings, their technological characteristics for energy efficiency, the possibility of implementing the rules for safety and fire safety, the economic feasibility of the project.

Scientific disciplinary sector: ICAR/10 ARCHITETTURA TECNICA

Place: Dipartimento Architettura e Design (DAD)

Required degree:

Laurea Specialistica della classe: 4/S Architettura e ingegneria edile.

Laurea Magistrale della classe: LM-4 Architettura e ingegneria edile-architettura

Subjects of the interview:

The Building Information Modelling; The Italian energetic diagnosis laws; The Italian firefighting laws; The optimization of the air conditioned, airing and electrical plants.

RESEARCH PROGRAM NO. 30

The assessment criteria for the qualifications and the interview will be affixed on 19.12.2018 at 9.00 in Dipartimento Architettura e Design (DAD), Stradone S. Agostino 37, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 19.12.2018 at 12.00 in Dipartimento Architettura e Design (DAD), Stradone S. Agostino 37, Genova.

The interview will be held on 19.12.2018 at 12.30 in Dipartimento Architettura e Design (DAD), Stradone S. Agostino 37, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

As regards candidates, who are not resident or domiciled in Italy, and those, who are resident or habitually domiciled at a distance of more than 300 Km from the selection centre, the interview, if requested, can also be held by electronic means (SKYPE video conference call) promptly contacting Prof. Manuel GAUSA NAVARRO on the phone number +39 3291080465 or via the email address: gausa@coac.net.

Scientific coordinator: Prof. Manuel GAUSA NAVARRO

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Analysis of the data collected in the framework of the three-year KAAU research on urban regeneration themes according to the concept of "Advanced Urbanism" and production of research output for the cultural diffusion of the European project.

Description: The project includes the analysis of the materials developed and collected within the three-year KAAU - Knowledge Alliance for Advanced Urbanism research, carried out within the Erasmus+ program, in order to promote and investigate the concept of "Advanced Urbanism", intended as an integration of planning processes based on the fusion of technology and culture. This will be followed by the production of research outputs (digital and printed) aimed at communication and cultural diffusion of the results gathered by the European project. The candidate must have experience in the field of visual communication of cultural projects and European research, and preferably a good knowledge of the studies focused in the KAAU research (ka-au.net).

Scientific disciplinary sector: ICAR/13 DISEGNO INDUSTRIALE

Place: Dipartimento Architettura e Design (DAD)

Required degree:

Laurea Magistrale della classe LM-12 Design

Subjects of the interview:

Methods, tools and strategies for communication of cultural projects and events.

The candidate will need to prove his/her knowledge of English languages.

RESEARCH PROGRAM NO. 31

The assessment criteria for the qualifications and the interview will be affixed on 19.12.2018 at 8.45 in Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni (DITEN), Scuola Politecnica, Via Montallegro 1, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 19.12.2018 at 11.45 in Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni (DITEN), Scuola Politecnica, Via Montallegro 1, Genova.

The interview will be held on 19.12.2018 at 12.00 in Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni (DITEN), Scuola Politecnica, Via Montallegro 1, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

Scientific coordinator: Prof. Paola GUALENI

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Development of an innovative approach for modular ship design.

Description: The research activity is about the study of a design methodology able to assume the ship operational flexibility as a design input and to comply with such requirement thanks to the modular approach. By means of innovative tools for the ship design field (i.e. Quality Function Deployment, Design Structure Matrix) opportunely tuned, the required ship capabilities will be put into relation with ship technical characteristics and the onboard systems deemed as necessary for the purpose. This will enable the selection of the suitable operational modules and to study their integration in to the ship, both from the conceptual and the functional point of view. The approach will be developed and tested by means of two applications selected in the field of multirole naval ships and among the offshore supply vessels specifically meant for Blue Growth production activities.

Scientific disciplinary sector: ING-IND/01 ARCHITETTURA NAVALE

Place: Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni (DITEN)

Required degree:

Laurea Specialistica della classe: 37/S Ingegneria navale

Laurea Magistrale della classe: LM-34 Ingegneria navale

Subjects of the interview:

Ship Design, Quality Function Deployment (QFD) and Design Structure Matrix (DSM) methodologies.

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 32

The assessment criteria for the qualifications and the interview will be affixed on 19.12.2018 at 11.30 in Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti (DIME), Via Montallegro 1, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 19.12.2018 at 14.30 in Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti (DIME), Via Montallegro 1, Genova.

The interview will be held on 19.12.2018 at 14.45 in Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti (DIME), Via Montallegro 1, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

Scientific coordinator: Prof. Carlo CRAVERO

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Development of design approaches for turbomachinery design.

Description: The research activity is aimed at the development of design methods for high performance turbomachinery. The study is focused on radial compressors or blowers. A fundamental aspect of the research is the development of parametric design tools for each turbomachinery component (impeller, diffuser and volute) and their interface with simulation platforms commercially available or developed in previous research activity by the research unit. Design optimisation or soft-computing strategies and tools could be integrated into the design suite. The turbomachinery performance at design condition and off-design are considered in order to increase the operating range or lower the noise emission.

Scientific disciplinary sector: ING-IND/08 MACCHINE A FLUIDO

Place: Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti (DIME)

Required degree:

Dottorato di ricerca in Energetica.

Subjects of the interview:

Turbomachinery (fans, compressors and blowers), computational fluid dynamics, design methods.

RESEARCH PROGRAM NO. 33

The assessment criteria for the qualifications and the interview will be affixed on 19.12.2018 at 9.00 in Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti (DIME), Via Montallegro 1, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 19.12.2018 at 12.00 in Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti (DIME), Via Montallegro 1, Genova.

The interview will be held on 19.12.2018 at 14.00 in Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti (DIME), Via Montallegro 1, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

As regards candidates, who are not resident or domiciled in Italy, and those, who are resident or habitually domiciled at a distance of more than 300 Km from the selection centre, the interview, if requested, can also be held by electronic means (SKYPE video conference call) promptly contacting Prof. Loredana MAGISTRI on the phone number +39 3204320015 or via the email address: Loredana.Magistri@unige.it.

Scientific coordinator: Prof. Loredana MAGISTRI

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 27.133,00

Title: RES harvesting façade element integration with DH networks-ENVISION.

Description: The research activities will be carried out in the framework of the “Envision” European project. Solar façade modules will be properly integrated into the “Smart Polygeneration Grid” of the University Campus of Savona, in order to test and evaluate their performances and impact on the DH network management strategy.

The “Energy Harvesting Demo Site” will be built connecting a number of façade modules, a heat pump, a micro turbine and a thermal storage. The whole system will be designed, installed and tested.

Particular attention will be devoted to the data acquisition system, control and management strategy and demo site interaction with the thermal energy storage systems and the Campus District Heating Network.

Scientific disciplinary sector: ING-IND/09 SISTEMI PER L'ENERGIA E L'AMBIENTE

Place: Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti (DIME)

Required degree:

Dottorato di ricerca in: Ingegneria delle macchine a fluido, o Ingegneria delle macchine e dei sistemi per l'energia, l'ambiente e i trasporti.

Subjects of the interview:

- Innovative energy systems.
- Energy harvesting technologies.
- Measurements techniques and data acquisition systems.
- Control and management algorithms for polygeneration microgrids.

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 34

The assessment criteria for the qualifications and the interview will be affixed on 19.12.2018 at 9.00 in Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti (DIME), Via Opera Pia 15, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 19.12.2018 at 12.00 in Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti (DIME), Via Opera Pia 15, Genova.

The interview will be held on 19.12.2018 at 12.15 in Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti (DIME), Via Opera Pia 15, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

As regards candidates, who are not resident or domiciled in Italy, and those, who are resident or habitually domiciled at a distance of more than 300 Km from the selection centre, the interview, if requested, can also be held by electronic means (SKYPE video conference call) promptly contacting Prof. Marco RABERTO on the phone number +39 0103532028 or via the email address: marco.raberto@unige.it.

Scientific coordinator: Prof. Marco RABERTO

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Agent-based modelling and simulation of a financial economy for the study of the shadow banking.

Description: The modelling of financial and economic systems based on heterogeneous interacting agents and the development of software platforms for their simulation is a novel promising approach in the fields of economics and management engineering. In this context, the research project is focused on the modelling and implementation of an artificial economy, based on heterogeneous interacting agents, which should be a flexible tool and adaptable to different computational experiments. In particular, the objective of the project is to investigate the functioning of the shadow banking system, its effects on financial stability and economic growth, and its regulatory policies.

Scientific disciplinary sector: ING-IND/35 INGEGNERIA ECONOMICO-GESTIONALE

Place: Dipartimento di Ingegneria meccanica, energetica, gestionale e dei trasporti (DIME)

Required degree:

Laurea Magistrale delle classi: LM-16 Finanza, LM-31 Ingegneria gestionale, LM-32 Ingegneria informatica, LM-40 Matematica, LM-44 Modellistica matematico-fisica per l'ingegneria, LM-56 Scienze dell'economia, LM-77 Scienze economico-aziendali, LM-82 Scienze statistiche, LM-83 Scienze statistiche attuariali e finanziarie.

Subjects of the interview:

- Modelling and agent-based simulation in economics and finance.
- Statistical techniques for the analysis of economic and financial data.
- Shadow banking.

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 35

The assessment criteria for the qualifications and the interview will be affixed on 20.12.2018 at 9.00 in Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni (DITEN), Via Opera Pia 13, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 20.12.2018 at 12.00 in Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni (DITEN), Via Opera Pia 13, Genova.

The interview will be held on 20.12.2018 at 15.30 in Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni (DITEN), Via Opera Pia 13, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

*As regards candidates, who are not resident or domiciled in Italy, and those, who are resident or habitually domiciled at a distance of more than 300 Km from the selection centre, the interview, if requested, can also be held by electronic means (SKYPE video conference call) promptly contacting Prof. Raffaele BOLLA via the email address: raffaele.bolla@unige.it.**

Scientific coordinator: Prof. Raffaele BOLLA

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Study, development and analysis of models of virtual network functions (VNFs) chains in the framework of 5th generation mobile networks (5G).

Description: The research activity will be focused on modelling virtual network functions (VNFs) chains in the framework of 5th generation mobile networks (5G), where network virtualization and “softwarization” extend over all areas (access, metro, core) in a complete integration with the fixed network. More specifically, aspects to be covered include: i) analytical models for the representation of performance indexes (including power consumption); ii) architectures and strategies of network control and management over multiple time scales. In this scenario, the objective of the grant is to support the DITEN research group, headed by the TNT laboratory, in the study, analysis and simulation / experimental verification of innovative solutions in the areas specified above.

Scientific disciplinary sector: ING-INF/03 TELECOMUNICAZIONI

Place: Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni (DITEN)

Required degree:

Laurea V.O in: Ingegneria delle telecomunicazioni, Ingegneria informatica, Ingegneria elettronica

Laurea Specialistica delle classi: 30/S Ingegneria delle telecomunicazioni, 32/S Ingegneria elettronica, 35/S Ingegneria informatica.

Laurea Magistrale delle classi: LM-27 Ingegneria delle telecomunicazioni, LM-29 Ingegneria elettronica, LM-32 Ingegneria informatica.

Subjects of the interview:

Technologies related to modern wired and non-wired telecommunications networks, with in-depth analysis of Software Define Network (SDN) and Network Function Virtualization (NFV) technologies and mobile cellular radio networks. Verification of programming skills with particular reference to the C ++ language.

** Test timetable modified with Chancellor Decree n. 5631 dated 16/11/2018*

RESEARCH PROGRAM NO. 36

The assessment criteria for the qualifications and the interview will be affixed on 8.1.2019 at 10.00 in Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni (DITEN), Laboratorio DSP, Via Opera Pia 13, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 8.1.2019 at 14.00 in Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni (DITEN), Laboratorio DSP, Via Opera Pia 13, Genova.

The interview will be held on 8.1.2019 at 15.00 in Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni (DITEN), Laboratorio DSP, Via Opera Pia 13, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

Scientific coordinator: Prof. Igor BISIO

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Study and Analysis of Methods and Systems for the Physical and Logical Tracking of Components and Equipment and for the Detection of Foreign Objects in Industrial Environment.

Description: The activity will concern the study, analysis and development of context awareness solutions with particular emphasis to the study and analysis of methods and systems for the physical and logical tracking of components and equipment and for the detection of foreign objects in the environment industrial. The research will be conducted directly in the industrial environments of interest and will be carried out within a group and interacting with figures, at different levels, within this reference context for the research activity.

Scientific disciplinary sector: ING-INF/03 TELECOMUNICAZIONI

Place: Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni (DITEN)

Required degree:

Laurea V.O in: Ingegneria elettronica, Ingegneria informatica, Ingegneria delle telecomunicazioni, Ingegneria elettrica, Ingegneria gestionale, Ingegneria dell'automazione, Informatica

Laurea Specialistica delle classi: 23/S Informatica, 29/S Ingegneria dell'automazione, 30/S Ingegneria delle telecomunicazioni, 31/S Ingegneria elettrica, 32/S Ingegneria elettronica, 34/S Ingegneria gestionale, 35/S Ingegneria informatica.

Laurea Magistrale delle classi: LM-18 Informatica, LM-25 Ingegneria dell'automazione, LM-26 Ingegneria della sicurezza, LM-27 Ingegneria delle telecomunicazioni, LM-28 Ingegneria elettrica, LM-29 Ingegneria elettronica, LM-31 Ingegneria gestionale, LM-32 Ingegneria informatica, LM-66 Sicurezza informatica

Subjects of the interview:

Signal Processing, Machine Learning, Context Awareness, Internet of Things, Localization and Tracking Methods and Algorithms.

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 37

The assessment criteria for the qualifications and the interview will be affixed on **20.12.2018** at **8.30** in Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni (DITEN), Laboratorio Satellite Networking Laboratory, Padiglione E, III piano, Via Opera Pia 13, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on **20.12.2018** at **15.00** in Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni (DITEN), Laboratorio Satellite Networking Laboratory, Padiglione E, III piano, Via Opera Pia 13, Genova.

The interview will be held on **20.12.2018** at **16.00** in Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni (DITEN), Laboratorio Satellite Networking Laboratory, Padiglione E, III piano, Via Opera Pia 13, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

Scientific coordinator: Prof. Mario MARCHESE

NO. 1 research fellowship - Duration 2 years – Annual pre-tax amount: € 19.367,00

Title: Routing in satellite networks and their integration in the 5G environment.

Description: The activity will concern the study and implementation of routing algorithms and protocols for satellite networks and of strategies to allow satellites integration in the forthcoming 5G infrastructure. A survey of the state of the art will be performed in order to identify solutions already defined in this research field. After that, the research will be focused on the identification of possible improvements and on the definition of new protocols and algorithms aimed at properly managed the limited available resources, evaluating the introduction of concepts and paradigms proposed for terrestrial networks in satellite networks. An implementation and test phase will follow in order to evaluate the feasibility and reliability of the developed solutions through simulation and emulation tools.

Scientific disciplinary sector: ING-INF/03 TELECOMUNICAZIONI

Place: Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni (DITEN)

Required degree:

Dottorato di ricerca in Scienze e tecnologie per l'ingegneria elettronica e delle telecomunicazioni.

Subjects of the interview:

Routing and protocols algorithms for satellite networks, concepts and strategies to ease satellite networks integrazione in the 5G environment, knowledge of C/C++ and simulation/emulation tools (such as Network Simulator 3).

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 38

The assessment criteria for the qualifications and the interview will be affixed on **20.12.2018** at **9.00** in Dipartimento di informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS), Via Opera Pia 13, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on **20.12.2018** at **12.00** in Dipartimento di informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS), Via Opera Pia 13, Genova.

The interview will be held on **20.12.2018** at **15.00** in Dipartimento di informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS), Via Opera Pia 13, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

Scientific coordinator: Prof. Roberto SACILE

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: System automation and risk assessment in dangerous goods logistics in port and railway areas.

Description: The project concerns the preparation of ICT, optimization and risk assessment tools for the logistic management of dangerous goods in the port area, in particular concerning small tank ships and railway wagons. An environment will then be defined for the tracing of the main logistics operations including the maintenance of vehicles where possible. Priority will also be given to the maintenance tracking and where possible to the definition of risk maps.

Scientific disciplinary sector: ING-INF/04 AUTOMATICA

Place: Dipartimento di informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS)

Required degree:

Laurea V.O. in: Ingegneria Informatica o Ingegneria Biomedica

Laurea Specialistica delle classi: 26/S Ingegneria biomedica, o 35/S Ingegneria informatica

Laurea Magistrale delle classi: LM-21 Ingegneria biomedica, LM-25 Ingegneria dell'automazione, LM-32 Ingegneria informatica

Subjects of the interview:

- Development of software systems based on MS-Visual Studio technologies and MS SQL Server development database.
- Development of web-services.
- Specific knowledge of workflows related to the logistics of goods, possibly with particular reference to the transport of dangerous goods.
- Skills in the optimization of logistics and transport systems.
- Skills in the design of integrated systems for the monitoring of dangerous goods and transmission protocols from infrastructure such as eg. DATEX-2.
- Design and programming of databases, programming capabilities with different languages and operating systems.
- Knowledge of operational, technical and management functionalities in information systems concerning HSE systems (health, safety, environment).

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 39

The assessment criteria for the qualifications and the interview will be affixed on 19.12.2018 at 12.00 in Dipartimento di informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS), Viale Causa 13, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 19.12.2018 at 15.00 in Dipartimento di informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS), Viale Causa 13, Genova.

The interview will be held on 21.12.2018 at 15.00 in Dipartimento di informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS), Viale Causa 13, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

As regards candidates, who are not resident or domiciled in Italy, and those, who are resident or habitually domiciled at a distance of more than 300 Km from the selection centre, the interview, if requested, can also be held by electronic means (SKYPE video conference call) promptly contacting Prof. Alessandro ARMANDO on the phone number +39 0103532216 or via the email address: alessandro.armando@unige.it.

Scientific coordinator: Prof. Alessandro ARMANDO

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: SAT-based techniques for Role-Based Access Control.

Description: The research activity will focus on the design, development and experimental analysis of a technique for the management of access control in a Role-Based Access Control (RBAC) model. Given an RBAC policy and two sets of permissions Plb and Pub, the technique will automatically determine the smallest set of roles whose activation enables all permissions in Plb and is contained in Pub. The problem, known as the User-Authorization Query Problem, will be reduced to a PMAX-SAT problem thereby enabling the usage of state-of-the-art solvers.

Scientific disciplinary sector: ING-INF/05 SISTEMI DI ELABORAZIONE DELLE INFORMAZIONI

Place: Dipartimento di informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS)

Required degree:

Laurea Specialistica delle classi: 23/S Informatica, 32/S Ingegneria elettronica, 35/S Ingegneria informatica
Laurea Magistrale delle classi: LM-18 Informatica, LM-29 Ingegneria elettronica, LM-32 Ingegneria informatica

Subjects of the interview:

- Access Control
- SAT/SMT

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 40

The assessment criteria for the qualifications and the interview will be affixed on 7.1.2019 at 9.00 in Dipartimento di informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS), Via Opera Pia 13, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 7.1.2019 at 13.00 in Dipartimento di informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS), Via Opera Pia 13, Genova.

The interview will be held on 7.1.2019 at 14.00 in Dipartimento di informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS), Via Opera Pia 13, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

Scientific coordinator: Prof. Pierpaolo BAGLIETTO

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Design and development of computer platforms for data and service distribution and mashup based on Distributed Ledger Technologies.

Description:

The research will be organized in the following activities:

1. Study of the state of the art and in the field of Computer Platforms for the deployment and management of data composition, data distribution, service and data mashup based on Distributed Ledger Technologies.
2. Analysis and specification of case studies related to the logistic application domain with specific reference to the maintenance processes and container transportation processes.
3. Execution of tests and trials of the Computer Platform in order to validate it both at the functional and performance levels.

Scientific disciplinary sector: ING-INF/05 SISTEMI DI ELABORAZIONE DELLE INFORMAZIONI

Place: Centro Interuniversitario sull'Ingegneria delle Piattaforme Informatiche (CIPI)

Required degree:

Laurea Magistrale delle classi: LM-32 Ingegneria informatica

Subjects of the interview:

Java and JSLEE programming. Design and development of distributed software applications based on Distributed Ledger Technologies. Paradigms and standards for application level system integration. Protocols, platforms and open standards in domain of Internet of Things and Service Composition. Platforms addressing virtualization and scalability requirements.

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 41

The assessment criteria for the qualifications and the interview will be affixed on 19.12.2018 at 16.00 in Dipartimento di informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS), Viale F. Causa 13, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 20.12.2018 at 9.30 in Dipartimento di informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS), Viale F. Causa 13, Genova.

The interview will be held on 20.12.2018 at 11.30 in Dipartimento di informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS), Viale F. Causa 13, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

As regards candidates, who are not resident or domiciled in Italy, and those, who are resident or habitually domiciled at a distance of more than 300 Km from the selection centre, the interview, if requested, can also be held by electronic means (SKYPE video conference call) promptly contacting Prof. Antonio CAMURRI on the phone number +39 3281003207 or via the email address: antonio.camurri@unige.it.

Scientific coordinator: Prof. Antonio CAMURRI

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 27.133,00

Title: Acquisition and analysis on multiple temporal scales of movement data for applications in rehabilitation.

Description: Research will concern the acquisition of movement data by means of motion capture systems, video cameras, and, possibly, biometric sensor devices. Data will be analyzed and measures will be computed to characterize the motoric behavior of the users. Analysis will be carried out on multiple temporal scales. Results will be applied in the design and development of multimodal interactive systems to support rehabilitation of children with motoric disabilities. Research activities will be carried out at the Casa Paganini – InfoMus research center of DIBRIS – University of Genova in the framework of the EU-H2020-FET-Proactive project EnTimeMent. Part of the research activities may be carried out in collaboration with pediatric hospital G. Gaslini in the framework of the ARIEL joint laboratory.

Scientific disciplinary sector: ING-INF/05 SISTEMI DI ELABORAZIONE DELLE INFORMAZIONI

Place: Dipartimento di informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS)

Required degree:

Dottorato di ricerca in Informatica e Ingegneria dei Sistemi, o Ingegneria Informatica, o Ingegneria Elettronica, o Informatica.

Subjects of the interview:

State-of-the-art of systems and techniques for motion capture, state-of-the-art of techniques for real-time analysis of full-body movement from motion capture data, state-of-the-art of hardware and software platform for real-time analysis of full-body movement with a particular reference to the EyesWeb platform.

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 42

The assessment criteria for the qualifications and the interview will be affixed on 19.12.2018 at 13.00 in Dipartimento di informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS), Viale F. Causa 13, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 19.12.2018 at 16.00 in Dipartimento di informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS), Viale F. Causa 13, Genova.

The interview will be held on 21.12.2018 at 15.00 in Dipartimento di informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS), Viale F. Causa 13, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

As regards candidates, who are not resident or domiciled in Italy, and those, who are resident or habitually domiciled at a distance of more than 300 Km from the selection centre, the interview, if requested, can also be held by electronic means (SKYPE video conference call) promptly contacting Prof. Alessio MERLO on the phone number +39 010 3532344 or via the email address: alessio@dibris.unige.it.

Scientific coordinator: Prof. Alessio MERLO

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Methodologies for the security analysis of hybrid mobile applications.

Description: Hybrid mobile applications are based on web technologies that guarantee the portability of a single application on several mobile operating systems (i.e., Android, iOS), without the need to develop a native version of the same application for each operating system. The security model of hybrid applications is different from that of standard native applications (i.e., Android and iOS). Likewise, the techniques developed for the static and dynamic analysis of native applications are not always suitable for the security analysis of hybrid applications.

The aim of this project is the study, definition, and development of new methodologies for static and dynamic analysis of hybrid applications. Such methodologies must allow a comprehensive security analysis of hybrid applications.

Scientific disciplinary sector: ING-INF/05 SISTEMI DI ELABORAZIONE DELLE INFORMAZIONI

Place: Dipartimento di informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS)

Required degree:

Laurea Specialistica delle classi: 23/S Informatica, 32/S Ingegneria elettronica, 35/S Ingegneria informatica.

Laurea Magistrale delle classi: LM-18 Informatica, LM-29 Ingegneria elettronica, LM-32 Ingegneria informatica.

Subjects of the interview:

- Computer Security.
- Mobile Operating Systems.

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 43

The assessment criteria for the qualifications and the interview will be affixed on **20.12.2018** at **9.00** in Dipartimento di informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS), Via Opera Pia 13, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on **20.12.2018** at **12.00** in Dipartimento di informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS), Via Opera Pia 13, Genova.

The interview will be held on **20.12.2018** at **14.00** in Dipartimento di informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS), Via Opera Pia 13, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

Scientific coordinator: Prof. Mauro GIACOMINI

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Advanced therapy monitoring system for HIV+ patients and support system for antiretroviral medication prescription.

Description: The project relates to HSSP-based services for automated sharing of clinical data to monitor the therapeutic efficacy /adverse events of anti-HIV drugs. A prescription support system will be developed to suggest the most appropriate therapy to physicians, according to international guidelines applied to patient clinical data. The clinical data of interest will be made available in a standardized way by the major regional collectors. Another application to be developed is the monitoring of vaccine coverage of immunodepressive patients. The system will connect to the vaccine registry to have a complete list of all vaccinations made by patients in real time. The platform will have to manage the rescue of individual patient vaccinations through the management of anonymous identification.

Scientific disciplinary sector: ING-INF/06 BIOINGEGNERIA ELETTRONICA E INFORMATICA

Place: Dipartimento di informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS)

Required degree:

Laurea V.O. in: Ingegneria Biomedica

Laurea Specialistica delle classi: 26/S Ingegneria biomedica.

Laurea Magistrale delle classi: LM-21 Ingegneria biomedica.

Subjects of the interview:

Standard elements in medical informatics. Modelling instruments for web services. Instruments for design and setting up of coordinated groups of standard services according to the HSSP schema.

RESEARCH PROGRAM NO. 44

The assessment criteria for the qualifications and the interview will be affixed on 8.1.2019 at 9.00 in Dipartimento di informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS), Via Opera Pia 13, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 8.1.2019 at 12.00 in Dipartimento di informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS), Via Opera Pia 13, Genova.

The interview will be held on 8.1.2019 at 12.30 in Dipartimento di informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS), Via Opera Pia 13, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

As regards candidates, who are not resident or domiciled in Italy, and those, who are resident or habitually domiciled at a distance of more than 300 Km from the selection centre, the interview, if requested, can also be held by electronic means (SKYPE video conference call) promptly contacting Prof. Paolo MASSOBRIO on the phone number +39 0103532761 or via the email address: paolo.massobrio@unige.it.

Scientific coordinator: Prof. Paolo MASSOBRIO

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Design and development of software analysis and statistical tools for electrophysiological data recorded by high density MEA systems.

Description: Within a project aimed to develop CMOS-MEA multi-well based systems for in vitro screening of molecules in the neuro-cardiac pharmacological context, the candidate will focus its activities to develop data processing and statistical analysis of electrophysiological data. In particular, the CMOS-MEA multi-well will be used to record the electrical activity of “mini-brains” (i.e. organoids) of neurons derived by human stem cells. The functional complexity of such system will require a deep investigation and the development of ad hoc analysis to identify differences in the physiological vs. pathological states of such “mini-brains”.

Scientific disciplinary sector: ING-INF/06 BIOINGEGNERIA ELETTRONICA E INFORMATICA

Place: Dipartimento di informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS)

Required degree:

Laurea Magistrale delle classi: LM-17 Fisica, LM-18 Informatica, LM-21 Ingegneria biomedica, LM-32 Ingegneria informatica, LM-44 Modellistica matematico-fisica per l'ingegneria.

Subjects of the interview:

Multi-channels acquisition systems; methods and software techniques for data management and neural signal analysis; information theory and statistical inference.

The candidate will need to prove his/her knowledge of the English language.

SCIENTIFIC DISCIPLINARY AREA: ANTIQUITIES, PHILOLOGY, LITERARY STUDIES, ART HISTORY
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RESEARCH PROGRAM NO. 45

The assessment criteria for the qualifications and the interview will be affixed on 19.12.2018 at 15.00 in Dipartimento di Italianistica, Romanistica, Antichistica, Arti e Spettacolo (DIRAAS), Via Balbi 2, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 20.12.2018 at 10.00 in Dipartimento di Italianistica, Romanistica, Antichistica, Arti e Spettacolo (DIRAAS), Via Balbi 2, Genova.

The interview will be held on 20.12.2018 at 14.00 in Dipartimento di Italianistica, Romanistica, Antichistica, Arti e Spettacolo (DIRAAS), 1° piano, Via Balbi 4, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

Scientific coordinator: Prof. Francesca GAZZANO

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Not only war. Diplomacy and interactions between the Greek and Roman West and the Iranian East (VI BC - II AD).

Description: The project stems from the studies in ancient diplomacy conducted at DIRAAS (Greek History/Byzantine civilization). It aims at collecting, cataloguing (in an open access database) and studying the evidence related to the diplomatic relations between Greeks, and Romans, and the Iranian peoples from the VI century BC to the II c. DC. Given the chronological width, the first year of the project will be devoted to the relationships between the Greeks and the Persians, until the II c. BC. A particular attention will be devoted to the oriental sources and to the Hellenistic era, a real turning point in terms of cultural cross-fertilisation. The process of data collecting will be followed by a study focusing on the different forms of negotiation, on diplomatic and cultural misunderstandings and on diplomatic arguments. The final aim is to counterbalance the widely-held prejudice about war as the "natural" form of the Eastern-Western relations in Antiquity.

Scientific disciplinary sector: L-ANT/02 STORIA GRECA

Place: Dipartimento di Italianistica, Romanistica, Antichistica, Arti e Spettacolo (DIRAAS)

Required degree:

Dottorato di ricerca in Storia, o Storia antica, o Scienze dell'Antichità, o Scienze storiche dell'antichità, o Letterature e culture classiche e moderne.

Subjects of the interview:

Main events and diplomatic encounters; literary and documentary sources on ancient diplomacy; oriental evidence (Greece/Achaemenid Persia; Seleucidic Kingdom).

RESEARCH PROGRAM NO. 46

The assessment criteria for the qualifications and the interview will be affixed on 19.12.2018 at 9.00 in Dipartimento di Italianistica, Romanistica, Antichistica, Arti e Spettacolo (DIRAAS), 5° piano, Via Balbi 4, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 19.12.2018 at 13.00 in Dipartimento di Italianistica, Romanistica, Antichistica, Arti e Spettacolo (DIRAAS), 5° piano, Via Balbi 4, Genova.

The interview will be held on 20.12.2018 at 14.00 in Dipartimento di Italianistica, Romanistica, Antichistica, Arti e Spettacolo (DIRAAS), 5° piano, Via Balbi 4, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

Scientific coordinator: Prof. Laura STAGNO

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Holy images, religious practices and the sanctuaries' system: a focus on the Ligurian area.

Description: This project aims to investigate the complexity of the production and consumption of sacred art in the early modern period, in a European perspective, but with a specific focus on the Ligurian area as a case study. Beyond their stylistic value, sacred images - and especially cult images – were charged with a plurality of meanings, to be read in the frame of the sociocultural context which generated them: the analysis of their “agency” requires an interdisciplinary approach. The Virgin and the patron or local saints were crucial in this discourse, and their cult was at the basis of the creation of a complex network of sanctuaries: either originated by popular devotion or founded by Catholic hierarchies, they became places of tangible presence of the sacred, to which communities strongly related.

Scientific disciplinary sector: L-ART/02 STORIA DELL'ARTE MODERNA

Place: Dipartimento di Italianistica, Romanistica, Antichistica, Arti e Spettacolo (DIRAAS)

Required degree:

Dottorato di ricerca in Studio e valorizzazione del patrimonio storico, artistico-architettonico e ambientale, o Storia e Conservazione dei Beni Culturali, artistici e architettonici.

Subjects of the interview:

- The iconological approach to sacred art and its agency, in a visual studies' perspective.
- Sanctuaries' role and meanings in the early modern period.
- Sacred images in the Ligurian area in the early modern period.

RESEARCH PROGRAM NO. 47

The assessment criteria for the qualifications and the interview will be affixed on 19.12.2018 at 11.00 in Dipartimento di Lingue e Culture Moderne (DLCM), Piazza S. Sabina 2, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 19.12.2018 at 16.00 in Dipartimento di Lingue e Culture Moderne (DLCM), Piazza S. Sabina 2, Genova.

The interview will be held on 9.1.2018 at 9.30 in Dipartimento di Lingue e Culture Moderne (DLCM), Piazza S. Sabina 2, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

Scientific coordinator: Prof. Michele PRANDI

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Natural gender and its morphological, syntactic, lexical and semantic-pragmatic indicators. A contrastive study in the contemporary Italian and Polish.

Description: The objective of the project is a theoretical-descriptive study of the expression of natural gender, considered as a semantic concept, in the linguistic systems of the contemporary Italian and Polish. The study focuses on present-day tendencies and problems in the formation and use of linguistic indicators of natural gender. Specifically, various linguistic means allowing for coding and decoding the information about a referent's sex will be identified, examined and described. Furthermore, some theoretical issues related to gender marking in a linguistic system will be addressed and critically discussed. The contrastive perspective will allow us to grasp some theoretical aspects often ignored in the analysis of the phenomenon in only one language.

Scientific disciplinary sector: L-LIN/01 GLOTTOLOGIA E LINGUISTICA

Place: Dipartimento di Lingue e Culture Moderne (DLCM)

Required degree:

Dottorato di ricerca in Linguistica.

Subjects of the interview:

Conceptual, social, cultural and grammatical aspects of gender.

RESEARCH PROGRAM NO. 48

The assessment criteria for the qualifications and the interview will be affixed on **19.12.2018** at **9.30** in Dipartimento di Lingue e culture moderne (DLCM), Piazza Santa Sabina 2, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on **19.12.2018** at **14.00** in Dipartimento di Lingue e culture moderne (DLCM), Piazza Santa Sabina 2, Genova.

The interview will be held on **9.1.2019** at **14.00** in Dipartimento di Lingue e culture moderne (DLCM), Piazza Santa Sabina 2, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

Scientific coordinator: Prof. Laura QUERCIOLI

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: The realia of the PRL (Polska Rzeczpospolita Ludowa, People's Republic of Poland, 1952-1989) in the Polish literature of the time and in the most recent one.

Description: Aim of the project is the identification and the analysis of the terms and phrases found in Polish prose that characterize the reality of the country at the time of the People's Republic of Poland. The integration between the theoretical studies on the subject and the translation practice aims at the study of cultural-specific elements present in the literature written, or set, in the era of the PRP and the definition of strategies and guidelines that can be adopted in their translation into Italian. The research also contributes to the micro-historical relocation of a period, whose often painful memory is increasingly humiliated by ideological superstructures.

Scientific disciplinary sector: L-LIN/21 SLAVISTICA

Place: Dipartimento di Lingue e culture moderne (DLCM)

Required degree:

Laurea Magistrale delle classi: LM-94 Traduzione specialistica e interpretariato.

Subjects of the interview:

Elements of intercultural translation and sociological approach to literature.

The candidate will need to prove his/her knowledge of the Polish language.

**SCIENTIFIC DISCIPLINARY AREA: HISTORY, PHILOSOPHY, PEDAGOGY AND
PSYCHOLOGY**

RESEARCH PROGRAM NO. 49

The assessment criteria for the qualifications and the interview will be affixed on 20.12.2018 at 8.30 in Dipartimento di Scienze Politiche (DISPO), Piazzale E. Brignole 3A, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 20.12.2018 at 11.30 in Dipartimento di Scienze Politiche (DISPO), Piazzale E. Brignole 3A, Genova.

The interview will be held on 20.12.2018 at 12.00 in Dipartimento di Scienze Politiche (DISPO), Piazzale E. Brignole 3A, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

Scientific coordinator: Prof. Mauro SPOTORNO

NO. 1 research fellowship - Duration 2 years – Annual pre-tax amount: € 19.367,00

Title: Theoretical and empirical investigations for the production of a place evidence model for the Territorial Impact Assessment of territorial cohesion in Liguria.

Description: The researcher will have to contribute to the production and validation of a model for the assessment of policies aimed to the development of green economy in inner areas and metropolitan peripheries.

In particular, the researcher will have to gather and analyse quantitative and qualitative information, including economic, social, environmental, cultural and organisational data, aimed at the typological categorisation of inner and internal areas. The aim of the project is the production of a database and specific cartography, for the assessment of the cohesion level of Liguria within a broader national investigation. The analysis will contribute to the development of a specific methodology of sustainable spatial planning to be applied at European level from 2021.

Scientific disciplinary sector: M-GGR/02 GEOGRAFIA ECONOMICO-POLITICA

Place: Dipartimento di Scienze Politiche (DISPO)

Required degree:

Laurea Specialistica delle classi: 21/S Geografia.

Subjects of the interview:

- Definition and application of the Territorial Impact Assessment for development and territorial cohesion policies.
- Research methodology of quantitative and qualitative data for the TIA, geographical and cartographical analysis.
- Contribution of Geography to the analysis of territorial development processes.

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 50

The assessment criteria for the qualifications and the interview will be affixed on 21.12.2018 at 9.00 in Dipartimento di Giurisprudenza, Sezione di Diritto internazionale e della navigazione, piano 3°, scala B, Via Balbi 22/7B, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 21.12.2018 at 12.00 in Dipartimento di Giurisprudenza, Sezione di Diritto internazionale e della navigazione, piano 3°, scala B, Via Balbi 22/7B, Genova.

The interview will be held on 21.12.2018 at 15.00 in Dipartimento di Giurisprudenza, Sezione di Diritto internazionale e della navigazione, piano 3°, scala B, Via Balbi 22/7B, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

As regards candidates, who are not resident or domiciled in Italy, and those, who are resident or habitually domiciled at a distance of more than 300 Km from the selection centre, the interview, if requested, can also be held by electronic means (SKYPE video conference call) promptly contacting Prof. Paola IVALDI on the phone number +39 0102099976 or via the email address: paola.ivaldi@unige.it.

Scientific coordinator: Prof. Paola IVALDI

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: International Law and Internet: protection of fundamental rights in the cyberspace.

Description: The present research aims at analysing the complexities stemming from the de-territorialisation of cyberspace as well as its impact upon the application of the traditional criteria for the allocation of States' jurisdiction, with specific reference to the application of instruments of International Law dealing with the protection of fundamental rights. In this view, the assegnista di ricerca will (a) preliminarily identify the fundamental rights most affected by the above mentioned de-territorialisation and (b) proceed to a recognition of the relevant international praxis and case-law (especially in the context of the European Convention on Human Rights), with a view to (c) enucleating the criteria applied as well as assessing their coherence.

Scientific disciplinary sector: IUS/13 DIRITTO INTERNAZIONALE

Place: Dipartimento di Giurisprudenza

Required degree:

Dottorato di ricerca in materie giuridiche, attinenti al settore del Diritto internazionale e/o dell'Unione europea.

Subjects of the interview:

International Law, Jurisdiction, International Law Issues of the Internet, International Law Instruments concerning fundamental rights.

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 51

The assessment criteria for the qualifications and the interview will be affixed on 19.12.2018 at 8.30 in Dipartimento di Economia (DIEC), Via Vivaldi 5, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 19.12.2018 at 14.30 in Dipartimento di Economia (DIEC), Via Vivaldi 5, Genova.

The interview will be held on 19.12.2018 at 15.00 in Dipartimento di Economia (DIEC), Via Vivaldi 5, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

Scientific coordinator: Prof. Nicoletta BURATTI

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Social entrepreneurship and community cooperatives. Strategic profiles and support services for start-up and development.

Description: The recent crisis of traditional development models and welfare systems has originated new forms of social entrepreneurship based on local communities. Community cooperatives represent an effective response to such crisis in many contexts, since they operate mainly in territories characterized by low economic growth and limited employment opportunities, which in turn leads to depopulation. There is however a significant lack of studies on community cooperatives, in particular from an economic and business perspective. This research aims: 1. to identify the drivers for the creation and development of this innovative type of firms; 2. to develop tools and services to support the process of strategic management and performance measurement.

Scientific disciplinary sector: SECS-P/08 ECONOMIA E GESTIONE DELLE IMPRESE

Place: Dipartimento di Economia (DIEC)

Required degree:

Dottorato di ricerca in Economia

Subjects of the interview:

Cooperatives and community cooperatives; social entrepreneurship; business models; performance measurement.

RESEARCH PROGRAM NO. 52

The assessment criteria for the qualifications and the interview will be affixed on 19.12.2018 at 8.30 in Centro Italiano di Eccellenza sulla Logistica i Trasporti e le Infrastrutture (CIELI), 2° piano, Via F. Vivaldi, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 19.12.2018 at 13.00 in Centro Italiano di Eccellenza sulla Logistica i Trasporti e le Infrastrutture (CIELI), 2° piano, Via F. Vivaldi, Genova.

The interview will be held on 19.12.2018 at 15.00 in Centro Italiano di Eccellenza sulla Logistica i Trasporti e le Infrastrutture (CIELI), 2° piano, Via F. Vivaldi, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

Scientific coordinator: Prof. Giovanni SATTA

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Analysis of LNG bunkering demand and supply; analysis of the best practice related to the procedure of bunkering/storage/distribution of LNG in the port domain in line with the European Projects INTERREG Maritime ITA-FRA (TDI RETE-GNL; SIGNAL).

Description: The research activity relates to the INTERREG Projects “TDI RETE-GNL” and “SIGNAL”. The aim of the research activity is to evaluate the procedures for LNG bunkering, storage and distribution in ports located in the Target Area. Economic, juridical and environmental dimensions of bunkering activities will be considered when defining ad hoc best practice related to the layout, the organization and the managerial procedures suitable for the different technologies for the LNG bunkering (in line with extant regulations applicable to the port domain), in order to reduce risks for Safety&Security and environmental impacts. Within the planned research activities, on field empirical investigations and coordination activities with the partner and the stakeholders of the project will be developed in order to better understand both the demand and the supply side of LNG bunkering systems in the port domain.

Scientific disciplinary sector: SECS-P/08 ECONOMIA E GESTIONE DELLE IMPRESE

Place: Centro Italiano di Eccellenza sulla Logistica i Trasporti e le Infrastrutture (CIELI)

Required degree:

Laurea magistrale delle classi: LM-77 Scienze economico-aziendali, LMG/01 Giurisprudenza

Subjects of the interview:

- Technologies for liquefied natural gas (LNG) bunkering in the port domain.
- Characteristics of LNG demand/supply in the maritime port domain.
- Current (national and European) regulation on LNG bunkering/distribution/storage in the port domain.
- ISO, CEN and UNI technical standards for LNG bunkering, distribution and storage in the maritime-port domain.
- Layout, organization and managerial procedures applicable to LNG bunkering, distribution and storage in the port and dry-port/inland domain.
- Tools technics for managing relationships with stakeholder and targeted groups (Stakeholder relationships management), in order to gather quantitative and qualitative data through on field research.
- Project management technics.

The candidate will need to prove his/her knowledge of the English language.

SCIENTIFIC DISCIPLINARY AREA: POLITICAL AND SOCIAL SCIENCES
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RESEARCH PROGRAM NO. 53

The assessment criteria for the qualifications and the interview will be affixed on **19.12.2018** at **11.00** in Dipartimento di Scienze della Formazione (DISFOR), Corso Podestà 2, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on **20.12.2018** at **10.00** in Dipartimento di Scienze della Formazione (DISFOR), Corso Podestà 2, Genova.

The interview will be held on **8.1.2019** at **10.00** in Dipartimento di Scienze della Formazione (DISFOR), Corso Podestà 2, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

Scientific coordinator: Prof. Gabriella PETTI

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: The enhancement of the territory: an audiovisual and cross-media research on the landscape heritage and the socio-economic transformations of the Ligurian territory.

Description: The project aims to carry out a multimedia research on the socio-economic processes that affect Liguria, with a focus either on the memory of its industrial past and on its contemporary transformations. Specifically, photography and audio-visual media will be used to realize documentary and create interactive multimedia products, in order to ensure usability and public accessibility to a wide audience of users. To this aim, the research will benefit from the equipment of the Audio-Video Laboratory, located at the University Campus of Savona, and will directly involve students of the two CDS hosted on the Campus (L-20 and LM-80). The research project, indeed, is also aimed at supporting teaching and training activities of the CDS and strengthening their relations with the territory.

Scientific disciplinary sector: SPS/08 SOCIOLOGIA DEI PROCESSI CULTURALI E COMUNICATIVI

Place: Dipartimento di Scienze della Formazione (DISFOR)

Required degree:

Dottorato di ricerca in Cinema, Tv, Fotografia

Subjects of the interview:

Methods and techniques of audiovisual social research, Communication, Sociology of Communication and of Deviance.

The candidate will need to prove his/her knowledge of the English language.