



# Università di Genova

AREA PERSONALE

Servizio Personale Docente

Settore gestione del personale docente e dei contratti di ricerca

Decree no. 3706

## THE RECTOR

Having regard to Law No. 240 of 30.12.2010, as subsequently amended and supplemented, setting out rules on the organisation of universities, academic staff and recruitment, as well as delegating the Government to boost the quality and efficiency of the university system, and in particular Article 22, containing provisions on research grants;

Given the D.R. no. 5389 of 12.28.2020, with which the "Regulations for the awarding of research grants" were lastly amended;

Given the D.R. no. 3666 of 19.7.2024 by which 63 public selections were called for the award of 63 research grants, published on Alboweb on 22.7.2024;

Having regard to the resolution dated 11.6.2024 by the Council of the Department of Naval, Electrical, Electronic and Telecommunications Engineering (DITEN) requesting the activation of research grants for the performance of research activities - Scientific Coordinator Prof. Massimo Brignone, Prof. Fabio Patrone;

Considering that, due to a mere material error, the two above-mentioned positions were not included in the call for applications D.R. no. 3666 of 19.7.2024;

Considered it appropriate to integrate the number of selections initiated by Rector's Decree no. 3666 of 19.7.2024 in order to guarantee the start of the research activities referred to in the above-mentioned DITEN resolution;

## HEREBY DECREES

Art.1. Article 1, paragraph 1 of D.R. no. 3666 of 19.7.2024 is modified indicated below:

“**65** public selections are hereby called for the purpose of awarding **65** research grants in the programmes specified in Annex A which forms an integral part of the notice”

Art. 2. Annex A to D.R. no. 3666 of 19.7.2024 is supplemented by the document entitled ‘*Annex A bis*’ which is an integral part of this decree.

Art.3. The remaining provisions of the D.R. remain unchanged. no. 3666 of 19.7.2024, including the deadline for submitting applications, set by art. 3, paragraph 2.

This decree is made public electronically via the electronic register established on the University's institutional website.

Genova, 23.07.2024

IL RETTORE  
*firmato digitalmente*  
Prof. Federico Delfino

SCIENTIFIC DISCIPLINARY AREA INDUSTRIAL AND INFORMATION ENGINEERING
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**RESEARCH PROGRAM NO. 64**

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview 30.09.2024 on 11:00** The related report is promptly published on the Department's website or by posting it on the notice board of the structure hosting the exams and sent to the competent office at the e-mail address [assegnisti@unige.it](mailto:assegnisti@unige.it).

The Commission meets to proceed with the **assessment of qualifications and the identification of candidates admitted to the interview on 03.10.2024 at 10:00** The related report is promptly published on the Department's website and sent to the competent office at the e-mail address [assegnisti@unige.it](mailto:assegnisti@unige.it). The Commission also convenes, by communication to the e-mail address indicated in the application form by each candidate, the candidates admitted to the interview

**The interview:** on **03.10.2024** starting from **14:00** electronically via videoconference by platform *Microsoft Teams*.

**Candidates admitted to the interview will be contacted by the Commission in charge of conducting the interview by sending an email to the address indicated in the application for participation in the selection.**

**This communication has the value of notification in all respects, therefore candidates who have not been notified of the exclusion are required to connect to the platform indicated above at the scheduled time.**

**Scientific coordinator:** Prof. Massimo BRIGNONE

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

**Funding:** PRIN 2022 number 20224CL7HM, funds \_100026-2023-RP-PRIN\_BANDO2022  
**D.D. no. 104 of 2.2.2022 CUP D53D23000990006**

**Title:** Model designing to forecast dangerous lightning events from Preliminary Breakdown Pulses measurements.

**Description:** The aim is to design and test a model capable of sensing electromagnetic fields that are preliminary to a lightning event. These fields are generated by the so-called Preliminary Breakdown Pulses, that takes place during the first phases of the lightning inception. Few studies in the literature exist about the modelling and measurements of such phenomenon, and one of the key points is to use them (or develop new ones) to perform a thorough study about the electromagnetic quantities that characterize the phenomenon itself, which can be measured and exploited for the protection system. This activity is the basis for developing the early detection algorithm: a Machine Learning based procedure that should be able to classify the received electromagnetic signals into dangerous or not.

**Scientific disciplinary sector:** ING-IND/31 ELETTROTECNICA now IIET-01/A Elettrotecnica

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

**Required degree:** Laurea magistrale delle classi LM-28 Ingegneria Elettrica, LM-30 Ingegneria energetica e nucleare - Energy Engineering.

**Subjects of the interview:** Electromagnetic Fields, Lightning events, Overvoltages, Machine Learning.

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

## RESEARCH PROGRAM NO. 65

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **30.09.2024 at 9:00** The related report is promptly published on the Department's website or by posting it on the notice board of the structure hosting the exams and sent to the competent office at the e-mail address [assegnisti@unige.it](mailto:assegnisti@unige.it).

The Commission meets to proceed with the **assessment of qualifications and the identification of candidates admitted to the interview** on **03.10.2024 at 9:00** The related report is promptly published on the Department's website and sent to the competent office at the e-mail address [assegnisti@unige.it](mailto:assegnisti@unige.it). The Commission also convenes, by communication to the e-mail address indicated in the application form by each candidate, the candidates admitted to the interview.

**The interview:** on **03.10.2024** starting from **17:00** electronically via videoconference by platform *Microsoft Teams*.

**Candidates admitted to the interview will be contacted by the Commission in charge of conducting the interview by sending an email to the address indicated in the application for participation in the selection.**

**This communication has the value of notification in all respects, therefore candidates who have not been notified of the exclusion are required to connect to the platform indicated above at the scheduled time.**

**Scientific coordinator:** Prof. Fabio PATRONE

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

**Funding: Project PRIN-PNRR FOLLOWME**

**D.D. no. 1409 of 14.9.2022**

**CUP D53D23015930001**

**Title:** Detection and localization of cyber attacks in IoT Networks.

**Description:** The activity concerns the study and development of solutions for wireless communication monitoring in IoT networks aim to detect and localize cyber attacks in real-time. These solutions will be based on the use of UAV (drones) for the collection of information regarding the monitored IoT system and their consequent processing by means of machine learning algorithms. These solutions will be implemented and tested in both simulation and real environments.

**Scientific disciplinary sector:** ING-INF/03 TELECOMUNICAZIONI now IINF-03/A Telecomunicazioni

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

**Required degree:** Laurea magistrale delle classi LM-25 Ingegneria dell'Automazione, LM-27 Ingegneria delle Telecomunicazioni, LM-29 Ingegneria Elettronica, LM-32 Ingegneria Informatica.

**Subjects of the interview:** cyber threats and attacks in IoT networks, machine learning algorithms focusing on anomaly and attack detection techniques.

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