



Grenoble INP - UGA is a member of international engineering and management education and research networks. It is widely recognized in national and international rankings.



8 schools + 39 laboratories

8 300 students

1 300 teaching, research, administrative and technical staff

Grenoble INP-UGA is a renowned public institution of higher education and research, and a major player in the Grenoble ecosystem. It is the engineering and management institute of Grenoble Alpes University, and plays a leading role in the scientific and industrial community.

Associate Professor

Research field	Electrical machines, electromechanical and electromagnetic actuators
Category / Requested profile	Associate Professor
Ministerial reference for the position	
CNU Section	63
Location	Grenoble
Date of recruitment	01/09/2026
Position key words	Modelling, design, simulation, characterization, electrical machines, electromagnetic or electromechanical actuators

Grenoble INP - UGA is a leading public institution accredited with the French label "Initiative d'excellence". It offers innovative engineering and management programs, with an increasing internationalization of its course offers. The courses are grounded in sound scientific knowledge and linked to digital, industrial, organizational, environmental and energy transitions. The Engineering and Management Institute of Grenoble Alpes brings together more than 1300 staff members (teacher-researchers, lecturers, administrative and technical staff) and 8300 students, located on 8 sites (Grenoble INP - Ense3, Grenoble INP - Ensimag, Grenoble INP - Esisar, Grenoble INP - Génie industriel GI, Grenoble INP - Pagora, Grenoble INP - Phelma, Polytech Grenoble, Grenoble IAE and the INP Prepa). Grenoble INP is also a highly-ranked institution of higher education and research, leading the way in the fields of engineering and management on an international scale. It is a member of a large number of international academic and research networks. It is part of the European University UNITE!.

As part of Grenoble Alpes University, Grenoble INP has associated guardianship of 39 national and international research laboratories and of technological platforms. The research conducted there benefits both its socio-economic partners and its students. Grenoble INP is at the heart of the following scientific fields: physics, energy, mechanics and materials; digital; micronanoelectronics, embedded systems; industry of the future, production systems, environment; management and business sciences.

Grenoble INP - UGA is an equal opportunity employer committed to sustainability. Grenoble INP-UGA celebrates diversity and equity and is committed to creating an inclusive environment for all employees. All qualified applications will be considered without discrimination of any kind.

Teaching

School : Grenoble INP – ENSE³

School website: <http://ense3.grenoble-inp.fr/>

Contacts: Delphine.Riu@grenoble-inp.fr (director of the school)

School presentation :

Grenoble INP - Ense3 is a school that hosts more than 1,200 students and work-study students each year, offering them training leading to engineering degrees, master's degrees, or specialized master's degrees, in order to meet the economic and societal challenges in the fields of energy transition, resource management, and sustainable innovation around energy and water use.

Teaching Profile:

To contribute to the energy transition and, in particular, to the electrification of production methods and uses, the school is looking to strengthen its teaching team by welcoming a new teacher with strong skills in electrical engineering (high-voltage current) and, in particular, significant experience in the field of modeling or designing electrical machines and/or electromagnetic actuators. Indeed, these energy conversion devices are at the heart of electrical systems and are often an essential element to be taken into account in the design and optimization of these systems.

The teacher will propose first-year electrical engineering courses in the core curriculum (electromechanical conversion, electrical systems), in the two specialized fields (Electrical Energy Engineering (IEE) and work-study program), as well as in other fields such as Energy Systems and Markets (SEM), Nuclear Energy Engineering, and Automation and Intelligent Systems (ASI), where electrical machines and actuators play an important role in production of electricity or motorization. The teacher will also contribute to the professional training program by co-leading an internship on the operation and characterization of variable speed machines.

Training at the school is based on a strong experimental component and active participation in practical teaching and projects is required.

The teacher will be involved in developing training programs as part of a major ongoing reform aimed at responding to changes in the professions and technical skills sought by socio-economic partners on the one hand, but also to participate in the school's strategic project aimed at training engineers in line with the challenges of a regenerative economy facing socio-ecological issues.

In terms of cross-disciplinary skills, the teacher will need to be fluent in English, as the school has a strong international and intercultural dimension. They must also be able, in the medium term, to take on management responsibilities within the school, whether to lead teaching, run continuing education projects, either on-site or remotely, or get involved in projects to promote the school, in France or internationally.

More generally, the application must present a plan for integration into the school.

Research

Host laboratory: G2Elab

Laboratory website: <https://g2elab.grenoble-inp.fr/>

Contacts : jean-luc.schanen@grenoble-inp.fr (deputy director), frederic.wurtz@g2elab.grenoble-inp.fr (director)

Laboratory presentation :

G2Elab covers a wide range of expertise in the field of electrical engineering research. Its activities can be summarized by the following keywords: electrical energy, materials, innovative processes and systems, modeling, and design.

The work carried out ranges from basic “upstream” research to the “downstream” field, with a strong focus on collaboration with stakeholders in the socio-economic sector. With more than 100 permanent staff, 110 doctoral students, and 50 master's students, G2Elab is a major player in these fields at both the national and international levels.

Research Profile:

The massive electrification our society is undergoing is generating numerous research needs in terms of technologies to support this energy transition. The aim is to propose innovative solutions to meet numerous challenges, such as the widespread adoption of electric mobility and the increase in voltage to reduce losses in conductors. At the same time, we must take into account the criticality or prohibition of certain materials, propose viable alternatives, and study the opportunities offered by new manufacturing processes.

The Associate Professor recruited will develop research in the field of materials characterization, the development of behavior models, or the design of electrical engineering devices for applications such as electrical machines, actuators, sensors, power electronics assemblies, electrical network components, etc. Approaches may take into account multiphysical phenomena in order to reconcile the different aspects of device operation and the specific characteristics of materials. He or she will be able to develop collaborations within G2Elab with other research teams, contribute to industry-related research, and propose partnership at local and international levels.

Position assigned to a restricted area: YES (Protection device for the nation's scientific and technical potential, requiring the authorization of the Security and Defense Official for the appointment of teaching and research staff).

Specific requirements or conditions

Administrative activities related to the duties of an Associate Professor : he or she will be in charge of a teaching unit, a programme or a year.

How to apply

Applications must be submitted via the Odyssée platform of the French Ministry of Higher Education and Research, between Tuesday March 3rd 2026, 10am (Paris time) and Friday April 3rd 2026, 4pm (Paris time), deadline.

Any document sent outside the Odyssée platform will not be taken into account.

When candidates are interviewed by the selection committee, they will be asked to take part in a pedagogical work experience, the details of which will be communicated when the invitation is sent out.

Please note that part of the audition may also be carried out in English.