



Grenoble INP is a member of international engineering and management training 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

As a major public institution of higher education, a recognized research center and a founding member of the Grenoble ecosystem, Grenoble INP, the engineering and management institute of Grenoble Alpes University, occupies a leading position in the scientific and industrial community.

Associate Professor

Research field	Electromobility
Category/ Requested profile	Associate Professor
Ministerial reference for the position	63 MCF 0684
CNU Section	63
Location	Grenoble, Presqu'île scientifique
Hiring date	01/09/2025 (DD/MM/YYYY)
Key words	Electrical engineering, Conversion, Systems, Electromobility

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 – ENSE 3

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

Local contacts : delphine.riu@grenoble-inp.fr (director), laurent.davoust@grenoble-inp.fr (deputy director)

School presentation :

Grenoble-INP Ense3 is a generalist engineering school within the Grenoble INP institution. Its mission is to train engineers over a three-year program who, through their knowledge, expertise, and skills, will contribute to the energy and environmental transitions in industries, sectors, and uses related to water and energy.

Teaching Profile:

To contribute to the electrification of uses, and in particular to the transition in the field of mobility, the teacher recruited must have excellent skills in electrical engineering, and in particular in modeling, simulation or design of components (converters, machines) present in an electric drive train or electrical systems.

He or she will be involved in first-year electrical engineering courses in the core curriculum (electromechanical conversion, electrical systems, power electronics), but will also be part of the teaching teams in the Electrical Energy Engineering (IEE) programs, Génie Electrique et Energétique (GEE), Systèmes Energétiques et Marchés (SEM) or Automatique et Systèmes Intelligents (ASI), in initial or continuing training, for specialty courses in energy conversion, modeling/simulation in electrical engineering or mechatronics.

The person recruited will also be involved in the development of the school's experimental platforms, in order to supervise student projects, offer original practical courses linked to electromobility, and promote training through research.

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The teacher recruited will contribute to the development of training programs as part of a wide-ranging reform currently underway, in response to the changing nature of engineering professions and technical skills in the face of today's socio-ecological challenges. The application must therefore propose a 20-hour teaching program related to electromobility and these issues, aimed at 2nd year students in the Electrical Energy Engineering course.

In terms of cross-disciplinary skills, the person recruited must be fluent in English, as the school has a strong international and intercultural dimension. In the medium term, he or she should also be able to take on supervisory responsibilities within the school, whether to manage teaching, run continuing education projects, in situ or by distance learning, or get involved in the school's promotional projects, in France or abroad.

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

Research

Laboratory: Laboratoire de Génie Electrique de Grenoble, G2Elab

Site web du laboratoire : <https://g2elab.grenoble-inp.fr/>

Local contacts : nouredine.hadjsaid@grenoble-inp.fr (Director), yves.lembeye@g2elab.grenoble-inp.fr (Deputy Director)

Laboratory overview:

G2Elab covers a wide range of skills 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 expands from basic “upstream” research to the “downstream” field, with a strong involvement in collaborations with players in the socio-economic sector. With over 100 permanent staff, 110 PhD students and 50 Masters students, G2Elab has established itself as a major player in these fields, both nationally and internationally.

Research profile :

Electromobility is one of the current issues that the laboratory wishes to address.

In this context, the candidate recruited will reinforce one of the laboratory's five teams. He or she will be responsible for proposing research activities related to electrical engineering for electromobility. To this end, he or she will be able to tackle issues relating to systems, components or materials useful for this mobility, whether in terms of their definition, modeling, dimensioning or environmental impact.

Applications must include a project for integration into the laboratory.

Position in 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 this position of Professor :

Candidates recruited as Professors are likely to take on collective responsibilities such as being in charge of a teaching unit, a teaching programme or an entire year of study.

In the context of research, excellence and increasing internationalization, the quality of candidates' research activities must be attested by recent scientific production (publications, communications, etc.) in the best journals or international conferences in their fields.

In addition to scientific excellence and consistency between both the applicant's and the host laboratory's research strategy, candidates should describe how their integration project meets responsible research objectives that are compatible with the socio-environmental issues applicable to their field of research, and how the principles of open science are taken in account.

How to apply

Applications must be submitted via the Odyssee platform of the French Ministry of Higher Education and Research, between Tuesday March 4th 2025, 10am (Paris time) and Friday April 4th 2025, 4pm (Paris time), deadline.

Any document sent outside the Odyssee application 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.