



Grenoble INP is a member of international engineering and management training and research networks.



8 engineering schools + **38** laboratories

8 350 students

1 300 (assistant/full) professors, technical and administration staff members

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.

Professor

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| Research Profile field | Physical or digital observation of the environment, preservation of the living world, risk prevention |
| Requested job profile | Professor |
| Ministerial reference for the position | 37/60/61 PR 0429 |
| CNU section | 37 or 60 or 61 |
| Job location | Grenoble |
| Hiring date | 01/09/2024 (DD/MM/YY) |
| Keywords | Digital modeling, environmental observation, risks, life preservation, nature-based engineering |

Grenoble INP-UGA, Engineering and management Institute of the Univ. Grenoble Alpes, labeled Initiative of Excellence, is a public institution offering engineering courses with a solid base scientific content, a high technological specialization in connection with strong societal challenges related to digital, industrial, environmental and energy transitions. and a major internationalization of its courses. Grenoble INP-UGA employs more than 1,300 people (associate and full professors, lecturers, administrative and technical staff) and has 8 350 students in its 8 schools (Ense3, Ensimag, Esisar, GI, Pagora, Phelma, Polytech Grenoble, Grenoble-IAE) and La Prépa des INP (*INP preparatory classes*).

From 2020, Polytech Grenoble and Grenoble IAE join Grenoble INP and considerably expands its training offer. Grenoble INP is recognized in national rankings as one of the leaders in engineering and management with international visibility. It is a member of various international engineering networks including the European university UNITE!

Grenoble INP - UGA is a mother institution of more than 38 research laboratories, some of them international, and host platforms where state-of-the-art research is carried out to develop knowledge, to promote it towards our industrial partners and to transfer it to students. Hence, Grenoble INP - UGA is at the heart of the scientific challenges of future: Physics, Energy, Mechanics and materials; Digital sciences; Micro nanotechnology; Future industry, Eco-efficient production, Management in which international rankings recognize it as a leading player.

Grenoble INP - UGA is committed to sustainability, promotes equal employment opportunities and values of equity, inclusion and diversity. All qualified job applications will be considered without discrimination of any kind.

Teaching

School: Grenoble INP – Ense3

Website: <https://ense3.grenoble-inp.fr/>

Contact: Delphine.Riu@grenoble-inp.fr , Head of ENSE3 engineering school

ENSE3 presentation:

Grenoble INP - Ense3 is a school that welcomes over 1,200 students and work-study students every year, offering them training and education up to the graduation of engineer, master or specialized master. To achieve this, our training offer is organized around 8 student programs and one apprentice program. The courses are closely linked to 4 international master programs for non-French-speaking students. Last but not least, the range of courses has been enlarged in recent years, with the introduction of customized courses in the fields of innovation, digital technology and training/research links.

The school's ambition is to set an example in the field of training in the scientific, socio-economic and environmental challenges of the energy transition, resource management and sustainable, frugal innovation around uses.

Education profile:

In order to help current courses evolve so as to develop students' skills in preserving infrastructures especially with regard to industrial and/or natural risks, keeping in mind planetary limits, as well as in preserving living organisms from the impacts of engineering, the selected candidate will need to have significant training experience in one of the following areas: environmental observation methods based on experimental means or digital simulations, nature-based engineering solutions for climate change adaptation, engineering methods and solutions for risk identification and prevention. He or she will lead a teaching think-tank to train future engineers to reduce the impact of engineering practices on living organisms, and even to regenerate them, in line with the objectives of the Conférence des Entreprises pour le Climat.

Based on his or her experience in educational management, and working closely with the school's management team and main department heads, the selected candidate will be asked to lead a cross-functional team in charge of preparing the next school's accreditation campaign by the Commission des Titres d'Ingénieur (CTI). He or she will be responsible for overseeing the transformation of the school's educational training offer, in line with the political and financial framework drawn up with the training managers. This responsibility will require the coordination of the entire school's teaching team, as well as a global vision in project management, rigor and formalization skills, as well as real communication and listening skills to ensure that the project is designed, understood and implemented with and by as many people as possible (students, administration staff and teaching staff).

The selected candidate will also contribute to the development of the school's partnerships with public, semi-public and private partners, notably through Training/Research links and his/her expertise, both in France and internationally. The international and multicultural dimension of the students recruited to the school (25% of the student population) must be taken into account, and the ability to teach in English is essential.

A detailed project to join the school as a University Professor is an essential element of the application.

Research

Hosting team: One team among those of the 3 laboratories targeted (LEGI, GIPSA, IGE)

Lab websites: <https://www.gipsa-lab.grenoble-inp.fr/> or <https://www.ige-grenoble.fr/> or <https://www.legi.grenoble-inp.fr>

Lab contacts: Nicolas Marchand (Nicolas.Marchand@gipsa-lab.fr – head of GIPSA) or Aurélien Dommergue (Aurelien.Dommergue@univ-grenoble-alpes.fr – head of IGE) or Joël Sommeria (Joel.Sommeria@legi.grenoble-inp.fr – head of LEGI).

The selected candidate will be expected to join one of the three laboratories associated with the position: the GIPSA (Grenoble Images Parole Signal Automatique) laboratory, the IGE (Institut des Géosciences de l'Environnement) laboratory or the LEGI (Laboratoire des Écoulements Géophysiques et Industriels) laboratory - in alphabetical order of appearance.

He or she will propose a federative integration project in one of the research teams of one of these three laboratories associated with the job profile, proposing, if appropriate, collaborations between these different laboratories.

He or she will develop internal and external interactions enabling him or her to propose research themes in line with scientific prospects and the laboratory's future project, and will participate in the construction of these prospects.

He or she will also demonstrate his or her ability to develop partnerships and to be involved in ambitious national or international projects related to the position topics.

He or she will also be expected to take on research responsibilities at local, national or international level, and to contribute to the collective running of the laboratory.

Position assigned in a restricted area: YES

(to protect the French nation's scientific and technical potential, the appointment of teaching and research staff is subjected to the authorization of the Defense Security Officer).

The research activity presented in the application must be proven, in particular by international publications.

Specific requirements

Pedagogical supervisor responsibilities are associated with the position of Professor and are described in the job profile.

In the context of research, excellence and increasing internationalization, the quality of candidates' research activities must be attested by recent publications in the best international journals or conferences in their field.

How to apply

Applications must be submitted via the Ministry of Higher Education and Research's Galaxie application between Thursday, February 22, 2024, 10am (Paris time zone) and Friday, March 29, 2024, 4pm (Paris time zone), closing date.

Any document sent outside the Galaxie application will not be taken into account.

When candidates are interviewed by the selection committee, they will be asked to present a pedagogical work experience, the details of which will be communicated when the invitation to the audition is sent out. The audition may be conducted in English.