

## Assistant Professor in Radiofrequency Systems

### About CentraleSupélec

CentraleSupélec is a leading engineering school within the Paris-Saclay University. It is a prominent public institution (EPSCP in French) that operates under the joint jurisdiction of the French ministers responsible for higher education and industry. Its main missions are: the education of high-level generalist scientific engineers, research in engineering and systems sciences, and executive education. CentraleSupélec is seeking an Assistant Professor to join the Electronics and Electromagnetism Department and conduct research in the GeePs laboratory.

The Department of Electronics and Electromagnetism has a team of 12 full-time Assistant Professors and Full Professors who provide courses in analog, digital, and high-frequency electronics for the general curriculum of CentraleSupélec (the department does not provide power electronics courses as the Energy Department delivers them). The professors of the Department of Electronics and Electromagnetism play a significant role as managers or co-managers of the project clusters: Cubesats, Internet of Things, and Intelligent Vehicles. The department is jointly responsible for the second-year thematic module “Autonomous Vehicle” and oversees the major “Connected Objects and Embedded Systems” (SCOC). It is fully responsible for managing the third-year concentration in Electronics Engineering.

The GeePs laboratory is a collaborative unit involving CNRS, CentraleSupélec, Paris-Saclay University and Sorbonne University. Established in 2015, it is located across two sites: the CentraleSupélec campus of Paris-Saclay University in Gif-sur-Yvette and the Pierre and Marie Curie campus of Sorbonne University in Paris. The laboratory stands as one of the foremost research centers in the Ile de France region. Boasting a comprehensive team of 250 individuals, comprising 130 permanent staff members (consisting of researchers, teacher-researchers, engineers, and technicians) and approximately 80 PhD students, the facility is a hub of expertise committed to advancing the field of electrical engineering.

### Teaching responsibilities

The teaching sessions will be held at CentraleSupélec within the Department of Electronics and Electromagnetism. The successful candidate will be responsible for teaching in the 3-year general engineering program, as well as in the last 2 years of the specialized program in electronics. Teaching activities will focus on applied electromagnetism: radiofrequency systems, electromagnetic compatibility, antennas and microwave electronics. Additionally, the recruited person should have the necessary skills to conduct tutorials or laboratories in low-frequency electronics.

The candidate will deliver courses in the concentration *Electronic Engineering* which is part of the *Communicating Systems and Connected Objects* major in the third year of the general engineering program.

The teaching activities for this position include the following:

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3 rue Joliot-Curie  
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- Deliver lectures, tutorials, and laboratories in applied electromagnetism, electromagnetic compatibility, antennas and propagation, analog electronics;
- Design and deliver modules for Challenge Weeks
- Supervise student projects throughout the 3-year program;
- Participate in the design of the new courses for the specialized diploma in electronics.

The successful candidate will have to show openness and contribute to varied teaching teams. They will play a key role in the continuous improvement and evolution of both the generalist curriculum and the electronics specialization. Particular attention will be given to developing educational content that addresses the challenges of climate, energy and ecological transitions, as well as issues of sovereignty. The position operates under the responsibility of the Office of the Provost and the relevant programme managers.

The ability to teach in French would be appreciated. Courses should be given in French and English.

## Research responsibilities

The core expertise of the “Waves and Propagation” (OP) team lies in the study and control of the electromagnetic wave propagation in complex environments in order to better understand the physical phenomena that surround us and to design innovative systems capable of:

1. Detecting, characterizing, and locating objects.
2. Focusing energy or information.

The recruited person will thus have to integrate into the OP team of the electromagnetism division and develop their research activity in one of the team’s themes for applications related to next-generation wireless communications (multifunctional and reconfigurable antennas, propagation in complex media).

Also, in line with the policy of redeveloping the GeePs laboratory on the CentraleSupélec campus, a new radio frequency base (measurements of near and far fields, anechoic and/or refractory chambers) will be created. In this context, it is hoped that the candidate will invest in the development and exploitation of these new means of measurement.

Duties and tasks:

- Develop, implement and operate the new radiofrequency base, particularly in projects with industrial partners
- Supervise and guide students in their research projects in this theme (master’s interns and doctoral supervision).
- Actively contribute to the publication of high-quality scientific articles in specialized journals and conferences.

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- Conduct in-depth research on the hardware aspects of communication systems in sustainable and energy efficient applications.

## Candidate profile

The candidate must meet the following requirements:

- Hold a Ph.D. in electromagnetism or radiofrequency, and at least one internationally recognized publication (the publication requirement will depend on their curriculum and years of experience).
- Demonstrate a solid general knowledge in electronics
- Show a strong commitment to teaching, research and teamwork.
- Be willing to supervise research projects in synergy with the laboratory's themes, which may entail achieving a postdoctoral accreditation (HDR) for supervising research, if applicable.
- Have an interest in the practical aspects and implementation of projects (such as prototyping, robots, embedded processors, or FPGA programming);

While a Lecturer qualification is not a prerequisite, possessing one can strengthen your application.

## Qualifications and Experience

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- Demonstrate a solid general knowledge in electronics
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## Application process

Applications must be submitted by email to the following email address: [drh.pole-enseignant@centralesupelec.fr](mailto:drh.pole-enseignant@centralesupelec.fr). The deadline for submission is April, 30th 2026 at 11:59 PM (Paris time). Please include the reference EC07\_MCF\_GEEPS in the email subject line. The electronic application must include the following PDF files:

- A cover letter
- A detailed CV containing teaching experience, research, mobility, publications, etc.
- A 5 to 10-page research and teaching project that meets the requirements of CentraleSupélec
- A copy of the identity card or passport
- A copy of the doctoral degree
- Thesis defense report
- Letters of recommendation (optional)
- Any other documents that prove your previous experience

## Interview process

Shortlisted candidates will be invited to an interview which consists of three stages, allowing us to assess your suitability for the position:

1. Candidates will present their academic background and their teaching and research project.
2. Each candidate will demonstrate their teaching skills by presenting a lesson in English, addressing a common problem specified in the audition invitation.
3. Candidates will then respond to questions from the committee members.

The audition invitations will clearly state the duration for each stage.

## Scientific contacts

Philippe BENABES, director of the electronics and electromagnetism department: [philippe.benabes@centralesupelec.fr](mailto:philippe.benabes@centralesupelec.fr)

Emmanuel Odic, director of the GeePs laboratory: [emmanuel.odic@centralesupelec.fr](mailto:emmanuel.odic@centralesupelec.fr)

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