

Full-time assistant professor in Information technology and Embedded Systems

Presentation and context of the position:

TELECOM SudParis is recruiting an assistant professor in Information Processing. We are looking for a high-potential candidate with teaching and research experience in the field of data processing with a physical component.

We are looking for a young professional whose activities will focus on signal/data acquisition and embedded systems ("smart sensors") in the fields of e-health. More specifically it will be biomedical engineering (i.e. automatic processing, analysis and recognition of physiological signals such as electroencephalographic, electromyographic, cardiological and vital signals in general), neuroscience and digital bioinformatics. Its research activities will mainly fall under the flagship theme of the Institut Polytechnique de Paris (ip-paris.fr) and the Institut Mines Télécom (www.imt.fr) which is "Biomedical Engineering" health, but also on other pillars such as "AI and Data Science" or "IoT".

The candidate will be integrated in the teaching and organization of the courses of the engineering cycle, the Engineer by Apprenticeship Training (FIPA), and the Masters in Information Processing (TRIED) and Radio Systems (SyR) of the Institut Polytechnique de Paris. The teaching is oriented towards signal and data processing, pattern recognition techniques and on embedded systems and sensors. She/he will also participate in the team's efforts on the common core of the students' initial training (L3/M1 levels).

Telecom SudParis (www.telecom-sudparis.eu) is a member of the Institut Polytechnique de Paris and the Institut Mines-Télécom. Located in the South of Paris, both in Evry and Palaiseau, the school offers excellent research and teaching environments. The candidate will join the SAMOVAR laboratory and will be associated with the IDIA (Computer Science, Data and AI) and ICE (Information, Communications and Electronics) departments of IP Paris.

Job requirement:

Level of training, skills :

- PhD
- Master diploma, from an engineering school or equivalent with more than 5 years of professional experience
- Very high level business executive with more than 8 years of professional experience
- Categories or professions of IMT agents who may apply: II - C / D / E / P / R / T

Essential skills :

- International experience or exposure is expected
- Fluency in English and French
- Teaching and research experience

Abilities :

- Teamwork, interpersonal skills
- Educational qualities
- Ability to write and summarize

Application procedures:

Applications should be submitted on the school website :
<https://institutminestelem.com/l/en/o/maitre-de-conferences-en-traitement-de-linformation-et-systemes-embarques-fh>

An application should include :

- a detailed CV including a record of teaching activities and a list of publications
- a statement of planned teaching and research activities
- the contact details of two referents
- as well as any material deemed interesting by the candidate to demonstrate its abilities

Deadline for applications: **April 11th, 2021**

Expected audition period: **May/June 2021 either physically or remotely**

Expected start date (negotiable): **September 1st, 2021**

Category and profession of the position within the framework of Institut Mines-Télécom: **II - C, appellation Assistant Professor**

Candidates are strongly encouraged to contact the department to discuss and refine their research and teaching projects:

- Nel Samama (nel.samama@telecom-sudparis.eu), Director of the Electronics and Physics Department (EPH),
- Jérôme Boudy (jerome.boudy@telecom-sudparis.eu), Head of the Intermedia group of the Eph department,
- Nesma Houmani (nesma.houmani@telecom-sudparis.eu), in charge of Telecom SudParis's Healthcare Pathway,
- Ghalid Abib (ghalid.abib@telecom-sudparis.eu), in charge of the Embedded Systems deepening track.

About Telecom SudParis:

Telecom SudParis is a public graduate school for engineering, which has been recognized on the highest level in the domain of digital technology. The quality of its courses is founded on the scientific excellence of its faculty and on teaching techniques that emphasize project management, innovation and intercultural understanding. Telecom SudParis is part of the Institut Mines-Telecom, the number one group of engineering schools in France, under the supervision of the Minister for Industry. Telecom SudParis with Ecole Polytechnique, ENSTA Paris, ENSAE Paris and Telecom Paris are co-founders of the Institut Polytechnique de Paris, an institute of Science and Technology with an international vocation.

Its assets include: a personalized course, varied opportunities, the no.3 incubator in France, an ICT research center, an international campus shared with Institut Mines-Telecom Business School and over 60 student societies and clubs. <https://www.telecom-sudparis.eu/>