



Une école de l'IMT

Job Title: Associate Professor in Statistical Signal Processing and Internet of Things

Telecom SudParis hires an associate professor in the Communication, Image and Data Processing Department (CITI). We are seeking a highly qualified candidate with a first teaching experience in the field of signal processing and digital communications. An international research experience would be very appreciated.

He/she will perform teaching activities (courses, tutorials, practical classes) in signal processing/communications and mathematics, and will fill the gaps created by the development of the engineering degree with part time industry immersion (FIPA). He/she will be involved in the graduate level courses of the future university « New Uni », which will bring together Ecole Polytechnique, Ensta, Ensae, Telecom Paristech, and Telecom Sudparis.

He/she will participate to the supervision of master2 and PhD students. He/she will be active in the elaboration and realisation of research projects (ANR, EU funded, ASTRE...). In accordance with the strategic development scheme of the Mines Telecom Institute, his/her research activities will be intermediate between academic activities and transfer towards industrial applications.

Main missions:

- Set up and implement teaching activities in the field of statistical signal processing/mathematics at Bachelor (L3) and Master levels in the engineering program of Télécom SudParis and co-accredited Master courses of the future university “New Uni”
- Conduct research activities in the field of statistical signal processing and communications, with applications to the Internet of Things;
 - Develop partnerships, collaborations and contracts in his field;
 - Contribute to the dissemination of research and to the influence of the Department and the engineering school.

Teaching activities:

The candidate will:

- Teach classes and practicals at an undergraduate level;
- Teach in the engineering degree with part time industry immersion;
- Teach in graduate courses in the future university “New Uni”
- Participate in education-related activities: student projects, internships, defenses, etc.
- Take part to the selection process of student candidates (for the engineering program, masters,).

Research activities:

The candidate will:

- Conduct research activities within the “Communications” team of the CITI department and TIPIC team of the CNRS lab Samovar;
- Supervise doctoral students, master or engineering students projects;
- Set up and participate to collaborative research projects involving external partners in the academic or industrial worlds, and in particular respond to public calls from national and international research agencies

Job requirement :

The desired candidate has an outstanding methodological knowledge in signal processing; in particular, a recognized expertise in one of the following fields:

- Statistical signal processing;
- digital communications and information theory;
- compressed sensing;
- distributed signal processing

The desired candidate has an ability and an interest in applying advanced methods to problems related to the physical layer of the internet of things, 5G and beyond, smart cities, smart transportation, smart industry, e-health....

Besides the successful candidate will have:

- Experience in teaching and research;
- Good knowledge in Information and Communication Technologies;
- Fluent oral and written English and French;
- Extensive knowledge and interest on closely related scientific fields including those of the other teams of the CNRS lab Samovar;
- Ability to animate the scientific community (program committees, event organization, ...).

Expected skills:

- Ability to work in a team, ability to exchange with others;
- Pedagogical qualities and ability to get along with other people;
- Ability to synthesis and writing.

Qualifications:

- PhD;
- For candidates with French PhD, CNU qualification (61 or 26 section) is desirable.

Prior experience :

- A first experience in research and teaching;
- Outstanding publications;
- An international professional experience is strongly desired.

Location:

Evry (France), 30 kms south of Paris

Affiliation / department: Communication, Image and Data Processing Department (CITI), see <http://www.telecom-sudparis.eu/citi/>

Position:

Permanent position

Research environment:

See www.telecom-sudparis.eu

Recruitment foreseen date:

September 2018

Contact :

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Please submit your application materials (cover letter, vitae or resume, 3 reference letters, and recent teaching evaluations)