Full-time assistant professor in networking

Presentation and context of the position:

TELECOM SudParis is hiring an Assistant Professor in Networking. We are looking for a high-potential candidate with teaching and research experience in the field of networks.

We are seeking a young talented professional carrying a research project related to future network architectures and services. The candidate will have to describe a research project based on the "Très Haut Débit" platform (http://www.telecom-sudparis.eu/recherche/plateformes-recherche/), to ensure the scientific and technological development of the platform, and to secure the sustainability of the equipment. Research activities should cover high speed networks (HS optical infrastructures and protocols, 5G/HS convergence, edge computing, convergence IT-IoT), virtualization of networks and services (SDN, NFV, network slicing, microservice architectures, containerization), network modeling and methodology (data-driven optimization, AI, big-data collection and exploitation for network management, stochastic methods for networks), and/or network technologies in verticals (cloud gaming, CDNs, distributed machine Learning, virtual or augmented reality, Tactile Internet, industry 4.0, Smart Cities, Internet of Vehicles, smart grid).

The candidate will be responsible for teaching and organizing courses in the common core training of students (cycle d'ingénieur), in the Formation Ingénieur par Apprentissage (FIPA), in the Master on Computer Science for Networks (CSN) of the Institut Polytechnique de Paris and in the specialized Master's degree. Teaching will focus on Computer Networks (from infrastructures to 5G/HS convergence, virtualization, edge computing). He/she will also participate in the team's efforts on the common core training of students (L3/M1 level).

Telecom SudParis (www.telecom-sudparis.eu) is a member of both Institut Polytechnique de Paris (ip-paris.fr) and Institut Mines-Télécom (www.imt.fr). Located both in Evry and Palaiseau, it offers an excellent environment for research and teaching. The candidate will join the SAMOVAR laboratory and be associated in the computer science department (IDIA) at IP Paris.

Job requirement:

Level of training, skills :

- PhD in a related domain
- 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://institutminestelecom.recruitee.com/l/en/o/maitre-de-conferences-en-reseaux-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 : **March 31th, 2021**
Expected audition period: **May 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:

- Maryline Laurent (Maryline.Laurent@telecom-sudparis.eu), head of the networks and services department
- Badii Jouaber (Badii.Jouaber@telecom-sudparis.eu), head of Network, System, Services, Security research team, Samovar lab
- Michel Marot (Michel.Marot@telecom-sudparis.eu), responsible for the networking teaching domain and referee for the E4C center
- Antoine Lavignotte (Antoine.Lavignotte@telecom-sudparis.eu), teaching referee in networking specialized M2 training (cycle d'ingénieur)

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/