Full-time Professor in Information System Security

Presentation and context of the position:

TELECOM SudParis is hiring a full-time Professor in Information System Security. We are seeking a high-potential candidate with experience in conducting teaching and research activities in the field of Information System Security.

We are seeking a talented professional carrying a research project related to information system security. The candidate will have to describe a research project demonstrating how his/her research in the field of information system security would strengthen or broaden the topics of the R3S (Network, System, Services and Security) team of the SAMOVAR lab. Identified interactions with the laboratories of the Institut Polytechnique de Paris is encouraged. Research activities should cover information system security (cyber defense, malicious code detection, root code analysis, attack generation, attack and anomaly detection, forensics, decision making, countermeasure and risk reduction, alert correlation, security event management, tackling attacks), Machine Learning for cybersecurity (generation of data sets, security of systems based on AI, evolving ML adversaries), and/or technologies in verticals (critical systems, IoT, energy, transport, health, smart-*). He/she will participate in the development of the Cybersecurity virtualization platform (http://www.telecom-sudparis.eu/recherche/plateformes-recherche/), ensuring sustainability of the equipment.

The candidate will be responsible for coordinating, teaching and organizing Master's level courses in cybersecurity (M1/M2) – both for the engineering stream and DNMs of the Institut Polytechnique de Paris -, and courses in the Formation Ingénieur par Apprentissage (FIPA), and for continuing training. 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 :

- Authorization to supervise research or equivalent
- PhD in Computer science with more than 5 years of professional experience
- Master diploma, from an engineering school or equivalent with more than 8 years of professional experience
- Very high level business executive with more than 13 years of professional experience
- Categories or professions of IMT agents who may apply: I - A

Essential skills :

- International experience or exposure is expected
- Fluency in English and French
- Teaching and research experience
- Very good productivity in publications at international level (allowing integration into the R3S team of the SAMOVAR laboratory)
- Good experience in setting up and carrying out European or national contracts
- Supervision of theses

<u>Abilities</u> :

- Teamwork, interpersonal skills
- Educational qualities
- Ability to write and summarize
- Responsiveness, initiative and rigor
- Ability to collaborate with academic and industrial partners, to negotiate and coordinate national, European, industrial contracts
- Ability to lead projects

Application procedures:

Applications should be submitted on the school website :
https://institutminestelecom.recruitee.com/l/en/o/professeur-en-securite-des-systemes-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/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: **I - A, appellation 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
- Olivier Levillain (Olivier.Levillain@telecom-sudparis.eu), teaching referee in information system security

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/