

Institut Mines-Télécom

Professor, Head of Network Systems, Cyber Security and Digital Law Department

Rennes, Bretagne, France

Gouvernance/Direction

Job description

IMT Atlantique, an elite French Technological University renowned for its academic excellence and cutting-edge research in the field of information, energy science and environmental and technology which is ranked in the top 10 in France. As part of its expansion and ambition to become a global leader in cybersecurity and network technologies, IMT Atlantique invites applications for the position of Professor and Head of SRCD Department located in its Rennes campus.

The Department is one of the top French applied research labs in the domain of networks, telecommunication and services. Researchers have developed strong ties with industrial partners through multiple collaborative projects and bilateral research contracts. The Department is very active in the vivid research ecosystem of Rennes as part of the major INRIA and CNRS joint research unit (IRISA), the mapping of research innovation & industry clusters (Images & Networks, B<>Com, the Excellence Cluster CYBER).

Responsibilities:

1. Scientific Leadership

- Take overall responsibility for the SRCD Department[1], overseeing its academic and research activities
- Define the strategic vision for the development and propose and implement plans for its growth
- Foster interdisciplinary collaboration and establish partnerships with other departments of IMT Atlantique and national and international institutions, particularly focusing on attracting top-tier talent in cybersecurity and network

2. Research and Technology Transfer

- Conducting cutting edge research in cybersecurity, IoT, or network technologies,
- Publish high-impact articles in internationally recognized scientific journals, showcasing practical applications
- Secure external funding to support departmental research projects
- Develop technology transfer to existing or spin-off companies

3. Teaching and Mentoring

- Design and deliver high quality courses in the general realm of computer science / electrical engineering and especially in the field of cybersecurity, internet of things, and network systems
 - Mentor and guide students in their research projects and theses
 - Contribute to student assessment and continuously enhance teaching programs
4. Collaboration and Outreach
- Actively participate in national and international conferences and events, presenting departmental research work and establishing collaborations with renowned researchers and industry leaders
 - Cultivate and maintain a network of academic, industrial partners to foster knowledge exchange and collaborations opportunities
 - Build strong relations with the industry at large and have a clear interest in entrepreneurship

[1] See a short presentation of the department

Job requirements

Required Qualifications:

- Ph.D. In cybersecurity, network systems, IoT, computer science or a related field, ideally Habilitation HDR diploma
- Extensive teaching and research experience with a distinguished track record in cybersecurity, IoT or network systems
- Regular publications in top-tier scientific journals
- Strong leadership and team management skills, including experience in supervising research projects, especially with an interdisciplinarity approach including the Digital Law.
- Proven collaboration experience with industrial partners
- Excellent command of English, both written and spoken to effectively engage with national and international candidates and stakeholders
- Ability to thrive in an international and interdisciplinary environment

Application deadline: 10th March 2024

Recruitment interview : 2nd April 2024

Date of recruitment : as soon as possible

To view the job description in French, click [HERE](#)

How to apply

We encourage applications from highly qualified candidates, both from France and internationally.

Applicants should submit their application package, including a detailed CV, a cover letter and at least three professional references.

We offer a stimulating work environment, state-of-the-art research resources, access to top-level students and a competitive compensation and installation package to attract the best talent in the field of cybersecurity or network technologies.

In addition to your application, we would appreciate receiving the following information :

- Your integration project on the 3 axes Teaching / Research / Development
- PhD committee report
- HDR report, Habilitation to conduct researches (or equivalent)
- Any other element that could support your application

Please send your application both to: christophe.lerouge@imt-atlantique.fr, catherine.hellio@imt-atlantique.fr => *president and deputy president*

AND on this recruitment platform

Information and contact :

- christophe.lerouge@imt-atlantique.fr => *president*
- catherine.hellio@imt-atlantique.fr => *deputy president*
- aurore.forny@imt-atlantique.fr => *administrative contact*

Note: All applications will be treated confidentially, and only shortlisted candidates will be contacted for interviews.

Presentation of the Network Systems, Cyber Security and Digital Law Department

The SRCD Department is located on IMT Atlantique's Rennes Campus. It currently comprises of 25 permanent lecturers and researchers, over 20 post-doctoral students and contract engineers, and close to 40 doctoral students. The Department is one of the top French applied research labs in the domain of networking.

In terms of research, le department is focused of four main domains:

- **Security and Cybersecurity** (SOTERN team). The team is one of the main actors of the “Pôle d'excellence cyber” (cyber cluster), which aims to defend against cyber attacks, and to identify their authors. The IRIS team is a leading force of this cluster, which consists of 75 companies and a dozen of academic research labs. It deals with security, reliability and integrity of information and systems.
- **Internet of Things and Intelligent Transport System** (OCIF, EASE teams). The research team focuses on wireless communications (short and long range) for constrained environment. Applicative domains include smart grids, smart and connected city, and intelligent transport. The team is strongly involved in standardization at the IETF.
- **Networking** (ADOPNET, ERMINE teams). The research team contributes to the specification of architectures, protocols, control mechanisms, and monitoring mechanisms for the next generation networks. Our goal is to build networks that are flexible, adaptive, energy-efficient, secure, and able to deliver content on a large scale to various types of terminals.

- **Digital Law in Europe** (SHS team). This multidisciplinary team (law, economics, management science) is recognized for its research on european topics. The research team contributes to the analysis of Internet as a whole - an infrastructure, a market place and a social network. It focuses on the way the innovative digital society is regulated.

Some members of SRCD are also involved in two other research teams: E4SE (Enablers for Smarter Environments) and ERMINE (Performance analysis of networks), both belonging to IRISA.

In terms of teaching, the department has been renowned for its excellence for more than 25 years. Faculties have led the teaching activities related to networking for top-level graduate engineering students and developed numerous innovative actions in the domain of teaching. The Department has pioneered the development of MOOCs in France and has become one of the most prolific scientific MOOC creation centers in Europe. The Department also leads multiple international teaching initiatives and coordinates many lifelong learning programs in collaboration with industrial partners.

In terms of **technology transfer** and **innovation**, the department is involved in direct partnerships with leading companies, in industrial Chair (CyberCNI) or in the creation of spin-off companies (YoGoKo, Acklio).