Professor of Cybersecurity

JOB ADVERTISEMENT

IMT ATLANTIQUE
is recruiting a Professor of Cybersecurity
Rennes campus


Start date: Autumn 2020

Keywords: Cybersecurity, Information systems, Communication networks

Administrative status: Professor (or civil servant of the French Ministry of Economy and Industry)

Presentation of the school:

IMT Atlantique, internationally recognized for the quality of its research, is a leading general engineering school under the aegis of the Ministry of Industry and Digital Technology, ranked in the 3 main international rankings (THE, SHANGAI, QS)

Situated on 3 campuses, Brest, Nantes and Rennes, IMT Atlantique aims to combine digital technology and energy to transform society and industry through training, research and innovation. It aims to be the leading French higher education and research institution in this field on an international scale. With 290 researchers and permanent lecturers, 1000 publications and 18 M€ of contracts, it supervises 2300 students each year and its training courses are based on cutting-edge research carried out within 6 joint research units: GEPEA, IRISA, LATIM, LABSTICC, LS2N and SUBATECH.

Presentation of the specific context related to the job environment:

You will contribute to the teaching in our various courses, more particularly in the engineering course within the Cybersecurity in-depth study theme as well as in the Specialized Master in Cybersecurity. An appetite for continuing education would be appreciated.

You will carry out your research on the security of networks and/or distributed systems, within the UMR 6074
IRISA. In particular, you will contribute to issues related to different application context specific to the SRCD
department, namely Industry 4.0, the Internet of Things, large-scale systems and networks (cloud) and
distributed applications, up to the processing and protection of large masses of data. Thematic specialisation to
carry a significant part of the scientific content of the Chair of Cybersecurity of Critical Infrastructures
(https://www.chairecyber-cni.org) is essential.

You will contribute to the school's actions in favour of socio-economic and international development in its
various forms.

A willingness to build and lead a team, in order to structure the department's cybersecurity activity, and to
integrate both the forces present in the department and potential future recruits, is required.

This team could take the form of a new research team within IRISA, which is developing Cybersecurity activities
in six research areas:
- Software and systems security
- Embedded hardware and systems
- Artificial intelligence and security
- Law and Privacy
- Cryptography
- Formal methods and safety

**In this context, to integrate our teams:**

You have strong skills in the fields of information systems and network security. Experience in the field of
distributed systems and/or new generation networks (Internet of Things, 5G, smart mobility, etc.) in particular is
expected.

Within the department, as a research professor, you will fulfil the main roles of training, research and
development in academic and industrial circles, as well as internationally.

With a research leadership qualification and significant experience in higher education and research,
you have demonstrated your ability to conduct large-scale training programmes and high-level
research in complex, multi-stakeholder, interdisciplinary and national and international environments,
and in the context of industrial partnerships.

You know how to mobilize, federate and develop teams around promising and ambitious projects in
research and innovation as well as in training.

Your significant experience in designing and supervising teaching activities allows you to promote
learning by confronting learners with multidisciplinary problems. You are particularly interested in the
competency-based approach, innovative pedagogical devices, and the diversification of evaluation
methods, including for pedagogical exercises carried out in companies. You lead pedagogical teams
within which you create a dynamic of innovation. You make the most of your network of partners to
illustrate your teachings with industrial interventions.

Your command of English is strong enough to teach in this language.

Sensitive to the challenges of sustainable development and social responsibility, you act in an ethical
and responsible manner and have demonstrated that these dimensions are taken into account in the
projects you have carried out.

In line with the school's strategy, you will contribute to the school's development by coordinating
scientific partnerships of excellence with partners from the economic and industrial world within the framework of national, European or international contracts.

You will contribute to the visibility of the school by participating in the bodies and committees of other structures (laboratories, learned societies, etc.).

The post is based on the Rennes campus. Travel in France and abroad is to be expected. You will be asked to submit an integration project for all the tasks described to demonstrate your motivation for the job.

(for more information on the selection criteria, Please consult the job description of a Professor, on the IMT Atlantique website)

Level of training and/or experience required:

- HDR in the computer science field, on a cybersecurity related topic.
- Official belonging to a body recruited through the École Polytechnique or the ENA or a former student of an École Normale Supérieure with professional experience > 5 years old
- Very high level company executive with professional experience > 13 years old
- International profile with a PhD

For more information about the position, you can contact:

- Yann Busnel, Head of the Network Systems, Cybersecurity and Digital Law Department: yann.busnel@imt-atlantique.fr
- Stéphanie Delaune, coordinator of the Cybersecurity crosscutting axis at IRISA: stephanie.delaune@irisa.fr

Application form to be downloaded from www.imt-atlantique.fr, and sent by e-mail to the following address: recrut20-prof-cyber@imt-atlantique.fr

Position based on the Rennes campus.
Travel in France and abroad is expected

Deadline for applications: March 31th, 2020
Date of Recruitment committee: May/June 2020
Recruitment: Autumn 2020

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