



**IMT Atlantique**

Bretagne-Pays de la Loire  
École Mines-Télécom

**IMT ATLANTIQUE Bretagne-Pays de la Loire  
is recruiting an Associate Professor (II – C) position in  
network science**

<http://www.imt-atlantique.fr>

IMT Atlantique is part of the Institut Mines-Telecom (IMT), a group of Grandes Ecoles selective French higher education institutions) in the field of engineering and digital technologies, under the aegis of the French Ministry of Industry and Electronic Communications. IMT Atlantique has three campuses in North-Western France (Brest, Nantes, Rennes), with a total of 2300 students (including 300 Ph.D. students), 290 professors and researchers, publishing 1000 papers each year.

With 26 full time professors, 39 Ph.D. students, the Network Systems, Cybersecurity and Digital Law (SRCD) department, located in Rennes, has research and teaching activities in the fields of computer networks (Cellular Networks, Internet of Things, content deliver), cybersecurity as well as legal (including regulatory) and economic aspects of communication networks.

IMT Atlantique offers an attractive salary and a pleasant environment to develop research activities. Rennes is the tenth largest in France, with a metropolitan area of 700,000 inhabitants. With more than 63,000 students, it is also the eighth-largest university center in France. In 2017, the Express Journal selected Rennes as one of the three most pleasant cities to work and live in France.

**SPECIFIC CONTEXT OF THE RECRUITEMENT:**

The successful candidate will join the ADOPNET team (<http://www-adopnet.irisa.fr/>) and will be expected to lead research activities, participating in collaborative projects with industrial and academic partners. The goal of the ADOPNET team is to build networks that are flexible, adaptive, energy-efficient, secure, and able to deliver content at a large scale to various types of terminals. ADOPNET, in particular, addresses the convergence of access networks, the combination of radio and optical technologies, and adaptive software-based content delivery networks. The successful candidate is expected to strengthen the team with a strong expertise of theoretical tools such as prediction algorithms, operations research, and data analysis.

The successful candidate is expected to teach graduate level classes on computer networks and computer science, including but not limited to: cloud computing, virtualization technologies (Hypervisors, Software Defined Networks, Network Function Virtualization), mobile networks, and performance evaluation. The successful candidate is expected to supervise Ph.D. and master students as well as employing and developing new pedagogical tools and techniques (e.g., MOOCs, inverted classroom).

**RESPONSABILITIES:**

Within the guidelines of training and research defined by IMT Atlantique, under the responsibility of the Head of Department, as part of a teaching and multidisciplinary research team and in close collaboration with the different divisions of the school, the incumbent:

- Provides, develops and coordinates courses (lectures, small classes, project supervision, ...) and teaching methods (face to face, project,...) in one or more disciplines of operational research and computer science, for a diverse audience (engineering students, master students,...).
- Leads, develops and coordinates a research program in a team, in collaboration with internal partners (Institute IMT (Institut Mines-Télécom), other departments) and / or external partners (institutional and companies).

IMT Atlantique Bretagne-Pays de la Loire - [www.imt-atlantique.fr](http://www.imt-atlantique.fr)

Campus de Brest  
Technopôle Brest-Iroise  
CS 83818  
29238 Brest Cedex 03  
T +33 (0)2 29 00 11 11  
F +33 (0)2 29 00 10 00

Campus de Nantes  
4, rue Alfred Kastler - La Chantrerie  
CS 20722  
44307 Nantes Cedex 3  
T +33 (0)2 51 85 81 00  
F +33 (0)2 51 85 81 99

Campus de Rennes  
2, rue de la Châtaigneraie  
CS 17607  
35576 Cesson Sévigné Cedex  
T +33 (0)2 99 12 70 00  
F +33 (0)2 99 12 70 08



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- Contributes to the reputation of the school and the Institute IMT through presentations, conferences, scientific publications and through his (her) involvement in national and international networks in scientific and professional communities of the economic world.
- Obtains, through industrial contracts or project submissions, financial material and human resources to accomplish these tasks.
- Carries out the actions necessary to promote and develop scientifically and economically, the research results through innovation, transfer to businesses (intellectual property, know-how, expertise, entrepreneurship).
- Contributes to the dissemination of information on research in society, through popular science publications and presentations to the general public.
- May be required to coordinate or supervise the activity of one or more internal or external lecturers.
- Contributes to the collective smooth running of the school, incorporating the appropriate recommendations, rules and constraints.
- Contributes to collective missions: boards, promotional activities and communication, forums, cross-disciplinary working groups, decision-making or consultation groups.

### **QUALIFICATIONS AND SKILLS:**

#### **Level of training and/or required experience:**

- PhD diploma or an engineering degree with experience in computer science, electrical engineering or applied mathematics in the area of networking
- or graduate from French "Grandes Ecoles" or equivalent with experience  $\geq 5$  years
- or masters degree in operational research or equivalent with experience  $\geq 5$  years

#### **Necessary theoretical and technical knowledge for the position:**

- Proven track record of applying theoretical tools to computer networks
- Strong publication record in selective conferences and journals
- Teaching experience
- English (fluent), French (basic)

### **OBSERVATIONS:**

Position based on the Rennes campus.

Application Deadline: **15 march 2017**

Interview date: **April 2017**

Recruitment: **2<sup>nd</sup> semester 2017**

### **TO SUBMIT AN APPLICATION:**

Please send by email to the following adress: **[recrut17-mc-spereseaux-srcd@imt-atlantique.fr](mailto:recrut17-mc-spereseaux-srcd@imt-atlantique.fr)**

to the attention of "Marion TONDUT – DRH – IMT-Atlantique", **only one PDF file** including:

- A detailed curriculum vitae (including the list of publications)
- A cover letter
- Letters of Recommendation
- Defense/Repports of PhD
- Teaching and research projects

Any other element that may support your application

For more information about the position, please contact the head of the ADOPNET team, Pr. Xavier Lagrange at: **[xavier\[dot\]lagrange\[at\]imt-atlantique\[dot\]fr](mailto:xavier[dot]lagrange[at]imt-atlantique[dot]fr)**

Additional information about IMT Atlantique can be found on our website: **<http://www.imt-atlantique.fr>**

More details about the position are available at: **<http://www.imt-atlantique.fr/lecole/recrutement/offres-demploi>**