



**IMT Atlantique**  
Bretagne-Pays de la Loire  
École Mines-Télécom

## **JOB ADVERTISEMENT**

### **IMT ATLANTIQUE**

**is recruiting an Associate Professor in Computer Science, specialized  
in HCI and Mixed Reality  
Brest campus**

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

**Start date: December 2020**

*Keywords: Human-Computer Interaction, 3D User Interaction, Mixed Reality (Virtual Reality and/or Augmented Reality), Immersive 3D Visualization (Immersive Analytics)*

*Administrative status: Associate/Assistant Professor, 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, Lab-STICC, LS2N and SUBATECH.

### **Presentation of the scientific field**

The [computer science department](#) of IMT Atlantique is recruiting a research lecturer specialized in the fields of HCI and Mixed Reality for its INUIT team .

The computer science department of IMT-Atlantique is located in Brest. With about 50 people it contributes to the Lab-STICC (Laboratoire des Sciences et Techniques de l'Information, de la Communication et de la Connaissance, UMR CNRS 6285) research laboratory, which is present in the cities of Brest, Quimper, Lorient and Vannes.

### **About teaching:**

You will have to participate in the teachings of the school, both disciplinary (introductory at the start of the course, specialty at the end of the course), as well as interdisciplinary in the context of student projects or internships (visit to companies where are the trainees).

For example, you could be asked to intervene in for the object oriented design and programming , databases, HCI, algorithmics of graphs, 3D graphic computing, Virtual Reality, Augmented Reality, development of mobile interactive systems, etc.

You will also be encouraged to develop an educational dynamic and to take responsibility in the organization of educational activities, teaching units or projects, or even new specializations.

### **About research:**

You will join the IHSEV / INUIT team of the Lab-STICC which works in the field of natural, immersive and innovative interactions with complex systems. You may be required to work more particularly on projects related to the ATOL laboratory (joint laboratory between IMT Atlantique and Thales), the Cyber CNI Chair (IMT Chair on Critical National Infrastructures supported by IMT Atlantique Rennes), the Digital Twin Chair (carried by the Computer Science department), or even at the IRL CROSSING (International laboratory located in South Australia whose school is supervised). Your research will be able to exploit the ATOL laboratory of IMT Atlantique as well as the CAVE of the ENIB located at CERV.

### **In this context, to join our teams:**

You will have strong skills in the following fields: software development of HCI and Mixed Reality systems.

In the department, as a research lecturer, you will fulfil the main rôles of training, research and development in academic and industrial circles, as well as internationally.

Your scientific skills and your experience in project management will enable you to develop and participate in partnerships with partners from the economic and academic world, at regional, national and international levels.

You will contribute to the development and influence of the school through high-level publications, a proactive attitude to contract negotiation and an active contribution to the life of the school.

Your significant experience in designing and supervising teaching activities will allow you to promote learning by confronting learners with multidisciplinary problems. You are particularly interested in the competency-based approach, innovative teaching methods and the diversification of assessment methods.

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

You are really dynamic and know how to develop synergies and manage projects in training and research in a multidisciplinary environment.

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.

The post is based on the Brest 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.

[\(for more information on the selection criteria, consult the job description of a lecturer-researcher – Associate Professor on the school website\)](#)

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

- Doctorate in the field of HCI and Mixed reality
- Official from a body recruited through the École Polytechnique or the ENA or former student of an École Normale Supérieure with professional experience > 3 years
- Highly qualified company executive with professional experience > 8 years

### **For any additional information you can contact:**

Thierry Duval, head of the computer science department and of the IHSEV/INUIT Research team –  
thierry.duval@imt-atlantique.fr – phone: 02 29 00 14 67

**To submit your application:**

To submit your application send an email to [recrut20-mc-infoinuit@imt-atlantique.fr](mailto:recrut20-mc-infoinuit@imt-atlantique.fr)

Deadline for applications: **September 20th, 2020**

Date of Recruitment committee: **October, 2020**

Recruitment: **December 2020**