



JOB ADVERTISEMENT

IMT ATLANTIQUE

**is recruiting an Assistant Professor in Computer Science, specialized
in Artificial Intelligence in iobotics
Brest campus**

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

Start date: December 2020

Keywords: Service Robotics, Cobotics, Artificial Intelligence for Robotics

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 Artificial Intelligence in service and social robotics for its RAMBO 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 teach object design and programming, databases, HCI, graph algorithms, robotics based on deep learning, digital twins for industry and hospital of the future, ROS-based programming, or even presentation of reinforcement or bio-inspired robot training frameworks (for example: Facebook PyRobot, OpenAI-ROS, 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.



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About research:

You will join the IHSEV / RAMBO team of the Lab-STICC. You will have to position yourself in one of the three research areas: “Interactive and incremental robot task learning”, “Robot learning with low computational resources”, “Collaboration between robots and ambient systems”. You will participate in industrial and academic research contracts as well as in the supervision of doctoral students. The IHSEV / RAMBO team has a Living'Lab-type laboratory (<https://bit.ly/2YOpBjI>), equipped with home automation equipment and multiple mobile robotic platforms and manipulation devices (<https://bit.ly/3hyqLst>). In addition, it actively participates in competitions such as “RoboCup”. Also, the candidate will have to show his capacities to the implementation, on the ground, of theoretical knowledge, by contributing to the development and the influence of the school by high level publications, a contractual dynamic and a contribution. active in school life.

In this context, to join our teams:

You have solid skills in the fields of software development for robotic systems and more particularly artificial intelligence techniques, applied to real problems and tested in the field, and a necessary know-how ranging from design to deployment of autonomous systems for the targeted applications.

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.

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

Level of training and/or experience required:

- Doctorate in the field of Artificial Intelligence in service and social robotics.
- 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 yea



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For any additional information you can contact:

Panagiotis Papadakis, IMT Atlantique member of IHSEV/RAMBO
<https://sites.google.com/site/pgpapadakis>
panagiotis.papadakis@imt-atlantique.fr – phone: 02 29 00 16 30

Cédric Buche, head of IHSEV/RAMBO
<https://www.enib.fr/~buche/>
buche@enib.fr – phone: 02 98 05 89 66

Team IHSEV/RAMBO:
https://docs.google.com/document/d/1f-7gJAsOiF5zoRQkE4MrQGG1F_LmyeiezHT8xBAD8Sc

To submit your application:

To submit your application send an email to recrut20-mc-inforambo@imt-atlantique.fr

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

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

Recruitment: **December 2020**