



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

IMT ATLANTIQUE
is recruiting an Associate Professor
in computer science, artificial intelligence, technology-enhanced learning
<http://www.imt-atlantique.fr>
Start date: Fall 2019

Keywords: Explainable Artificial Intelligence, Knowledge management, Machine Learning, Technology-Enhanced Learning

Administrative status: Associate professor (with a management framework contract)

Required profiles

For the position in[Computer Science/ Artificial Intelligence & Technology-Enhanced Learning], you should hold a doctorate. You have a first professional experience (post-doctorate, industrial R&D, etc.) and international experience.

You will be expected to contribute to the teaching on our various courses, more specifically on the common core engineering course and on the master level courses : Human-Computer Interaction, Collaborative Systems, Internet of Things, Ambient Intelligence, Semantic Web, Social Web, Data Science, Learning Analytics, Business Intelligence.

You will conduct research on -Artificial Intelligence applied to Technology-Enhanced Learning. In particular, you will contribute to issues related to the articulation between Learning Analytics and knowledge engineering to ensure explainability - XAI Explainable Artificial Intelligence - in the field of e-Education].

You will contribute to the school's actions for socio-economic development and internationalisation in its various forms

In-depth knowledge of areas such as the Artificial Intelligence, Knowledge Management, Learning Analytics, and Technology-Enhanced Learning is expected.

Experience of [Computer Science and more particularly Artificial Intelligence and e-education] is required.

Given our commitment to promoting diversity in the workplace , in particular within our Faculty, particular attention will be paid to applications from women, people with disabilities, international candidates and candidates from the entrepreneurship sector.



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Position environment

The [Computer Science] Department is based on [Brest campus]. It has about [25] including 21 permanent lecturer-researchers. The department is part of the UMR [UMR CNRS 6285 LabSTICC¹] developing research

in Artificial Intelligence through 8 research teams: IHSEV, DECIDE, PRASYS, DIM, PIM, MOCS, TOMS, IAS². This position in AI & Education is targeted for the IHSEV team and the LabSTICC Artificial Intelligence transversal program. This team will be restructured into several teams, one of which will be dedicated to AI and education. In AI, the LabSTICC is also involved in an UMI (International Joint Unit) with Australia and the PEA Man Machine Teaming. In addition, IMT Atlantique and Lab-STICC are involved in the Labex CominLabs, which has a research axis dedicated to AI and education.

Missions

Under the responsibility of the head of department and in close cooperation with the support departments, the successful candidate will participate in teaching, research, development and international development missions. He/she should be actively involved in regional, national and international partnerships. He/she will be called upon to exercise responsibilities in teaching and in collaboration with research and innovation stakeholders, and to contribute more generally to the smooth collective functioning of the school and its international influence.

In teaching, the successful candidate will:

- teach in the teaching teams related to Computer Science, Data Science and Artificial Intelligence.
- develop, deliver and coordinate different courses (lectures, practicals, tutorials, , projects, etc.) and teaching methods (project-based learning, face-to-face or distance learning) for a varied public (engineering students, master's students, interns in continuing education) in all or part of the following fields: computer science and artificial intelligence
- participate in activities to support the students' in-company training (company visits, internship boards, tutoring,...) or international mobility.

In research, the successful candidate will:

- carry out his/her research in relation to one or more themes developed in one or more teams [IHSEV team and Artificial Intelligence transversal program].
- participate in the development of research projects in his or her field of expertise at the regional, national and international level.
- publish his/her work in national and international scientific journals and present it at appropriate congresses.
- provide scientific support for master's level trainees and doctoral students.

¹ <https://www.labsticc.fr/en/index/>

² <https://www.labsticc.fr/en/transversal-programs-members/m-1000-ai.htm>



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In terms of transfer to companies and within society, the successful candidate will:

- participate in and promote ITM Atlantique's actions, in particular through industrial and academic collaborations through chairs (academic or industrial), joint laboratories and other mechanisms such as standardisation or standardisation.
- contribute to the dissemination of information on research in society through popular scientific activities, publications and interventions with the general public.

At the international development level, the successful candidate will:

- contribute actively to the school's actions as part of its international development through its research and training network: setting up partnerships, projects, participation in international training programmes (specialised masters or short programmes for example), representation of the school with partners, etc.

Conditions for applying

Level of education and/or experience required:

- Doctorate or engineer with professional experience in the field [computer science and artificial intelligence].
- Civil servant recruited through the École Polytechnique or the ENA or former student of an École Normale Supérieure with professional experience > 3 years
- Diploma from an engineering school or equivalent with professional experience > 5 years
- 5 years' higher education degree or equivalent, with professional experience > 5 years
- Highly qualified company executive with professional experience > 8 years

A french CNU qualification in section [27] is not required but would be an advantage.

Qualification and skills

He/she should demonstrate the ability to carry out training, research and transfer of research / innovation missions:

- strong motivation for teaching, research and innovation, dynamism and potential leadership capacity in these areas.
- strong pedagogical involvement, and participation in innovative learning systems (or, , a demonstrated willingness to invest in this field).
- Ability to teach and supervise teaching projects in an industrial and/or international multidisciplinary context, and knowledge of industrial and/or international environments.
- An appetite for research in partnership with the industrial world, an interest in valorisation and applications and openness towards the business world.
- An appetite for international collaboration
- the ability to teach in English
- the capacity to adapt to thematic developments and an interest in interdisciplinarity.



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- the ability to develop synergies with teams other than his/her own, whether within the department, the joint research unit or more broadly within the school, in teaching or research.

A project which combines both research and teaching is required. For this position, a candidate with good research experience would be highly appreciated.

ADDITIONAL INFORMATION

You can contact

- [Serge Garlatti], head of department [Computer Science department] -[serge.garlatti@imt-atlantique.fr] - tel: +33 2 29 00 14 53

TO SUBMIT YOUR APPLICATION:

Please send an email to the following address:

recrut19-mc-info-ia@imt-atlantique.fr

for the attention of Marion TONDUT - HR Director of IMT Atlantique Bretagne - Pays de la Loire, a single PDF file containing in order:

- detailed CV
- motivation letter
- letters of recommendation
- report of the thesis defence
- reports of the two members of the thesis committee
- teaching and research projects
- any other information that may support your application

Application deadline: 31 March 2019