

Call for application

Professor for the Franco-Australian Chair Industry of the Future

Localisation:	IMT Atlantique Bretagne-Pays de la Loire, Campus de Brest Technopôle Brest-Iroise CS 83818, 29128 Brest Cedex 03 FRANCE
Entity/Service:	IMT Atlantique, Brest / Franco-Australian Chair Industry of the Future
Position of supervisor:	Head of IT Department
Contract type	5 years fixed-term contract

1. CONTEXT

1.1 IMT Presentation

Institut Mines-Télécom is a public institution dedicated to higher education and research for innovation in the fields of engineering and digital technology. Always tuned in to the economic world, it combines high academic and scientific legitimacy with a concrete presence alongside companies and a unique focus on the major transformations of the 21st century: digital technologies, the environment and energy, industry and education. Its training and research for innovation are conducted in the Mines and Télécom Graduate Schools under the supervision of the Minister for Industry and Electronic Communications, in two subsidiaries and in institutions that are associate partners or under contract. Institut Mines-Télécom is a founding member of the Industry of the Future Alliance. It has two Carnot labels for the quality of its research partnerships. Every year, around seventy startup companies leave its incubators.

1.2 School Presentation

IMT Atlantique (Ecole Nationale Supérieure Mines-Telecom Atlantique Bretagne-Pays de la Loire) is a major engineering school and an international research center under the Ministry of Industry and Digital.

On 3 campuses, Brest, Nantes and Rennes, IMT Atlantique aims to combine digital and energy to transform society and industry, through training, research and innovation and to be international the institution of higher education and French research of reference in this field. It supervises every year 2,300 students, 290 researchers and permanent teacher-researchers, 1000 publications and 18 million euros of contracts. Its training courses are based on cutting-edge research in six joint research units of which it is responsible: GEPEA, IRISA, LATIM, LABSTICC, LS2N and SUBATECH.

1.3 Working environment

IMT Atlantique is recruiting a professor-researcher specialized in Industry of the Future, who will be in charge of the scientific steering of the Franco-Australian International Chair in association with the University of South Australia (UniSA), within its IT department (P4S team). The position is part of a five-year collaborative agreement between IMT Atlantic and UniSA in Adelaide (Australia). The post provides for a balanced sharing of time between France and Australia over the duration of the project.

The University of South Australia (UniSA) is Australia's University of Enterprise. UniSA exemplifies a culture of innovation that is anchored around global and national links to academic, research and industry partners. UniSA graduates are the new professionals, ready to create and respond to change. Our research is inventive and adventurous, and we create new knowledge that is central to global economic and social prosperity. Today, we are South Australia's largest university and ranked in the top 50 of the very best young universities in the world.

The University has a wide range of expertise across seven academic units, including: STEM; Business; Education Futures; Allied Health and Human Performance; Clinical and Health Sciences; Creative ; and Justice and Society. UniSA offers over 200 world-class degrees and are known for our experiential approach to teaching and learning, and outcomes-focused research. We are committed to educating individuals to the highest standards, investing in the very best academics and professional staff, as well as state-of-the-art physical and virtual infrastructure.

2. MISSIONS AND ACTIVITIES

2.1 Missions

The position aims to develop academic and industrial cooperation in the field both in terms of teaching and academic and contractual research.

2.2 Activities

The activities of the post will rely on the Australian and French teams in the departments and laboratories concerned, including the Lab STICC (CNRS UMR 6285).

In line with the strategy of IMT Atlantique and UniSA, you participate in the economic development of these institutions through scientific collaborations of excellence with partners from the economic and industrial world under national, European or international contracts.

For more information, you can consult the detailed description of the generic job description of a teacher researcher - Professor on the school website

3. TRAINING AND SKILLS

3.1 Training

- PhD or engineer with professional experience in the field of Industrial Engineering and Information Technologies
- Confirmed leadership in research

- Experience and international reach desired

3.2 Skills

You have a strong track record of research in areas related to the Fourth Industrial Revolution, and in particular the essential components of the digital twin in an industrial manufacturing context, and among the following scientific areas:

- Industrial Engineering, Process Engineering, Systems Engineering
- Digital systems, physical systems, systems design
- Information technology, industrial technology

Coming from the industrial or academic world, you have demonstrated your ability to conduct large-scale training programs and high-level research projects in complex, multi-partner, interdisciplinary environments at national and international level.

You know how to mobilize, federate and grow teams around promising and ambitious projects in both research and training.

You have a strategic vision of the development of the Chair in terms of training and research.

You contribute to the visibility of the Chair through your participation in bodies and committees of other structures (laboratories, scholarly society, etc...).

With a real dynamism, and leadership abilities you know how to create interdisciplinary synergies, in training as in research.

Sensitive to the challenges of sustainable development and social responsibility, you act in an ethical and responsible manner and adopt a reflexive posture in the missions entrusted.

Mastery of English is indispensable.

4. OTHER INFORMATION AND HOW TO APPLY

The position is administratively based on the Brest campus, and reports to the head of the IT department, but a significant part of the activity can be exercised on the Lab-STICC site in Lorient.

Application deadline: March, 27th

Contact persons:

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Professor

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To apply:

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