



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

IMT ATLANTIQUE
is recruiting an Associate Professor with tenure
in Industrial Engineering

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

IMT Atlantique (École Nationale Supérieure Mines-Télécom Atlantique Bretagne Pays de la Loire) is an elite Graduate school of engineering and International research center. Resulting from the recent merger on 1 January 2017 of Télécom-Bretagne and Mines-Nantes, it is a school of the National Institute of Science and Technology IMT "Institute Mines-Télécom" (the leading group of top level schools in France for study and research in engineering and management: includes 12 engineering and 1 business schools located throughout France).

Based on 3 different campuses (Brest, Rennes and Nantes), IMT Atlantique aims to combine energy and digital technology to transform society and industry through education, research and innovation in order to become an international reference in this area.

Each year, IMT Atlantique guides approximately 2.300 students in engineering, Masters of Science and Ph.D. programs. Its research activities, at the crossroads of applied and fundamental research, are led by 290 researchers which produce over 1000 publications each year and 18M € of funded research and development projects. Its courses are based on cutting-edge research performed in 6 joint with CNRS (National Center of Scientific Research), University of Nantes and Centrale Nantes, research laboratories: GEPEA, IRISA, LATIM, Lab-STICC, LS2N and SUBATECH.

The Department of Automation, Production and Computer Sciences (DAPI: Département Automatique, Productique et Informatique) of IMT Atlantique is located on the Nantes Campus. The department employs one hundred and ten people, forty of which are Faculty members. The research topics of DAPI include Automatic Control, Robotics, Operations Research, Industrial Engineering, Artificial Intelligence, Mathematical Decision Making, and Software Engineering. The members of DAPI are also members of the LS2N CNRS research laboratory (<http://ls2n.fr/>) recently created from the merging of the former IRCCyN and LINA laboratories.

The candidate will be integrated into the Optimization and Decision Aid group of DAPI and the Logistics and Production System (SLP) Team of LS2N. The research in SLP focuses on analyzing, modeling and solving decision making problems for design and management of production systems and logistics. The candidate will be asked to focus his research on domains related to industrial engineering approaches for the Factories of the Future (FoF) initiative of the European Union Framework Program for Research and Innovation. Collaboration with the other IMT Atlantique/LS2N teams will be encouraged.

The candidate will teach in the industrial engineering curriculum of IMT Atlantique, in particular the IMT Atlantique engineering programme and/or the MOST International Master of Science. (Management and Optimization of Supply Chains and Transport).

Administrative status: Maître assistant des Mines et des Télécom, fonctionnaire du Ministère de l'Economie et des Finances (Associate Professor tenured position).

IMT Atlantique Bretagne-Pays de la Loire - www.imt-atlantique.fr		
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Missions:

The candidate will participate in education, academic and collaborative research objectives. He/she will be actively involved in local, national and international partnerships of DAPI and LS2N. He/she will be asked to take administrative responsibilities in teaching programs, research projects or institutional endeavors.

Education:

- The candidate will be involved in the IMT Atlantique educational programs, particularly those of the DAPI the engineering curriculum and the MOST MSc. Teaching experience in some of the following subjects is required:
 - Industrial engineering
 - Design of manufacturing systems
 - Production planning and scheduling
 - Inventory control and demand forecasting
 - Supply chain design and management
 - Replenishment, procurement, outsourcing
 - Warehousing, crossdocking
 - Revenue management

Skills in one or several of the following domains:

- Combinatorial optimization, robust optimization
- Decomposition techniques
- Performance evaluation models, simulation
- Matheuristics, metaheuristics and heuristic algorithms

will be also appreciated.

- IMT Atlantique is particularly interested in qualitative and innovative teaching methods. A strong investment in pedagogical activities related to his/her courses is expected.
- IMTA trains engineers for a quickly evolving industry. The capacity of the candidate to teach in this context and propose and supervise student projects in collaboration with industry is desired.

Research and collaborative projects

The candidate will perform his/her research in the fields of the Logistics and Production Systems team: design of manufacturing systems, design, planning and scheduling of production systems, optimization of supply networks, replenishment planning, buffer allocation, performance evaluation, risk assessment and control in industrial and systems engineering.

He/she will develop decision-aid tools in the framework of projects related to Factories of the Future (FoF). This work will be related to the design and management of manufacturing, production and supply networks.

The recruited candidate will be expected to publish his/her work in high-level international journals. He/she will also be expected to supervise master and PhD students' research.



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His/her research will be conducted through local, national, European, and international projects.

Finally, the candidate will be expected to propose collaborative research projects with industry and contribute to enhancing the overall reputation of IMT Atlantique.

Qualifications and skills:

According to the Maître Assistant status, the candidate must have the nationality of a European Community country or a country member of EEC.

He/she will have strong competences in **industrial engineering** as well as:

- Skill and motivation for teaching and research, in particular in connection with industry.
- Ability to propose, obtain funding, and participate in research and applied research projects.
- Excellent interpersonal skills and ability to work in projects.
- Open-minded, self-assessment capacity.
- Interest and openness to the world of business and innovation in education.
- Scientific publications.
- Excellent practice of English.

APPLICATION DETAILS

For further information, contact Prof. Alexandre Dolgui, Head of DAPI – alexandre.dolgui@imt-atlantique.fr – Ph: +33 2 51 85 82 18

The deadline for submitting an application is 30 November 2017.

To obtain the complete application dossier, please contact Human Resource Services:

Florence MOULET– florence.moulet@imt-atlantique.fr - tél : +33 2 51 85 83 63
or

Jean-Philippe ROULLAND – jean-philippe.roulland@imt-atlantique.fr – tél: +33 2 51 85 83 54

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