



IMT Atlantique

Bretagne-Pays de la Loire
École Mines-Télécom

IMT ATLANTIQUE
BRETAGNE PAYS DE LA LOIRE

IMT Atlantique is a French Elite Graduate Engineering School, what we name today a **Technological university** (<https://www.imt-atlantique.fr/en>):

- *Ranks among the top 400 universities in the world (<https://www.imt-atlantique.fr/en/about/ranking>)
- *Specialized in Engineering/ doctoral/ postdoctoral training
- *Located in three campuses (Brest, Nantes and Rennes)
- *Conducts research in the fields of digital sciences, engineering sciences, physics and management
- * Combines research on digital, environment and energy to provide innovation in response to the major challenges facing companies and society,
- *Organized in 12 research departments (<https://www.imt-atlantique.fr/en/research-innovation/research-themes-and-departments>)
- *Employs 290 lecturers/ researchers/ professors of whom over 110 are qualified to direct research (HDR)



▶ **Publications:** 2 566 scopus publications 2017-2020 -- 800 papers / year (450 rank A).

▶ **Contracts:** 21.2 M€ research contracts 2020 -- 22 on-going european projects, 2 as coordinator.

▶ **Research ecosystem:**



- 6 laboratories (GEPEA, Lab-STICC, Irisa, Latim, LS2N and Subatech).

- 6 joint research units with CNRS, INRIA ou INSERM ; 2 research units (LEMNA et LEGO).

- 1 International Research Lab with Australia (IRL CROSSING).

▶ Training of **1800 students** of which **260 PhDs** : F/M ratio 26.2% ; co-tutelle 20% ; Internat. PhD students 59% -- 5 PhD doctoral schools – around **40 to 50 post doc** each year.

▶ Agreements with well over **190 excellent partner universities**.

▶ **Innovation:** **One incubator** distributed in the three campuses -- **181 patents** -- 18 industrial, academic or international chairs -- 6 joint labs with industry.

▶ **International recognition in welcoming researchers:** awarded with the "Bienvenue en France" label -- 40% international students and more than 70 nationalities represented.

IMT ATLANTIQUE – RESEARCH VS APPLICATION DOMAINS 4

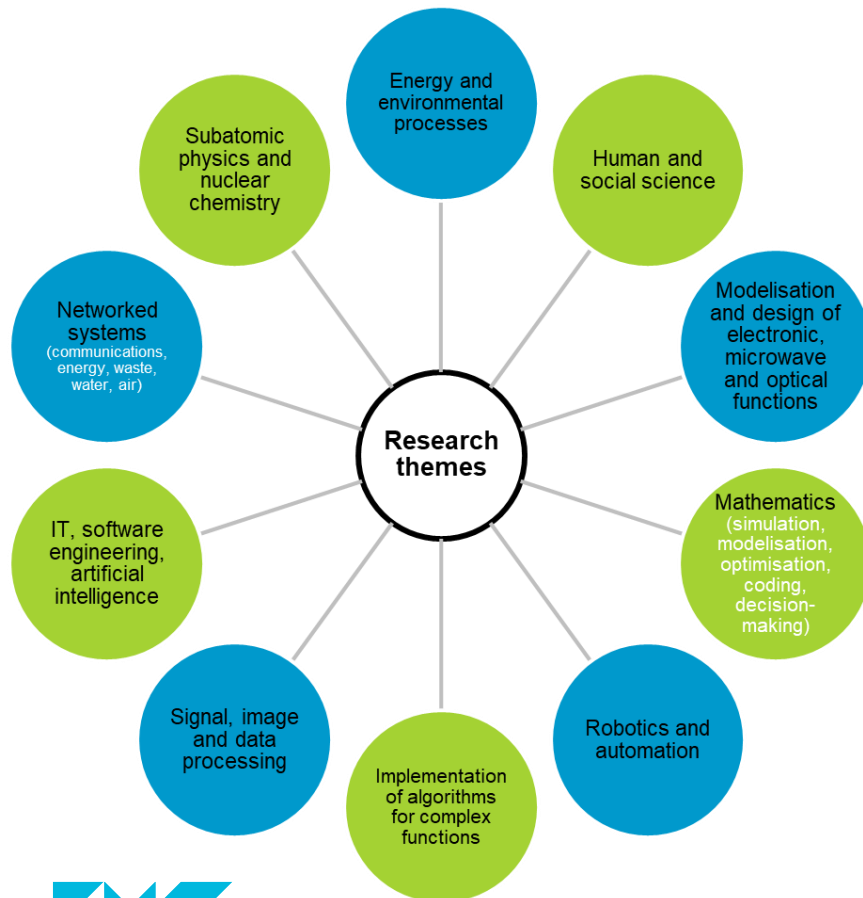
Research expertises



Combined with



Application domains



IMT ATLANTIQUE – SUPERVISORS AND CONTACT

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Contact: Julien Prud'homme- EU project manager- julien.prudhomme@imt-atlantique.fr

Supervisor	Research/ domain	Link to publications
Laurence Le Coq	Air pollution control ; aerosol science & technology ; transport phenomena	https://cv.archives-ouvertes.fr/laurence-le-coq ; https://scholar.google.com/citations?user=26ttQqcAAAAJ&hl=fr&oi=ao
Adrien Lebre	Cloud to IoT continuum (Cloud, Fog, Edge, Industrial IoT), resource management aspects	https://scholar.google.fr/citations?user=WYEXB08AAAAJ&hl=en https://web.imt-atlantique.fr/x-info/ascola/doku.php?id=internet:members:alebre08:overview/
Alexandre Dolgui	Manufacturing line design, production planning and supply chain optimization	https://scholar.google.fr/citations?user=74xSjB0AAAAJ&hl=fr https://cv.archives-ouvertes.fr/alexandre-dolgui
Guillaume Moreau	Virtual / Augmented Reality	https://guillemoreau.github.io/ https://scholar.google.com/citations?user=8RGP7TMAAAAJ
Sary Awad	Waste to Energy	https://scholar.google.fr/citations?user=Rv01UgkAAAAJ&hl=fr https://www.researchgate.net/profile/Sary-Awad
Giulia Lioi	Neuroimaging (fMRI, EEG), Brain Computer Interfaces, Neurofeedback, Deep Learning, Graph Signal Processing	https://scholar.google.com/citations?user=mx2AqLYAAAAJ&hl=en
Jean-Marie Bonnin	smart environment, persuasive computing applied to smart agriculture, mobility in smart cities, smart home	https://www.imt-atlantique.fr/fr/personne/jean-marie-bonnin https://scholar.google.com/citations?user=oB0_OKoAAAAJ&hl=en
Nicolas Farrugia	Artificial Intelligence, Deep Learning and Neurosciences	https://nicofarr.github.io/ https://scholar.google.fr/citations?user=IO4nLK4AAAAJ&hl=fr
Panagiotis Papadakis	Cognitive Robotics, Robot Learning, Computer Vision	https://sites.google.com/site/pgpapadakis https://www.scopus.com/authid/detail.uri?authorId=36960841900
Eric Bonnet	experimental nuclear physic - heavy-ion collisions at Fermi energies - experimental signatures of phase transition in nuclei	https://hal.archives-ouvertes.fr/search/index/q/*/authIdHal_s/eric-bonnet
Etienne Peillard	Augmented/Virtual/Mixed Reality, mainly in the field of user evaluation, sensory perception and interaction techniques	https://www.etiennepeillard.com/
Lydie Giot	reactor physics, Monte Carlo modeling, decay heat, Gen IV, uncertainties, SERPENT, antineutrinos	https://www.imt-atlantique.fr/fr/personne/lydie-giot
Muriel Fallot	nuclear physics, reactor physics, neutrino physics	https://www.univ-nantes.fr/muriel-fallot
Vincent Castel	Magnon-photon coupling, Cavity quantum electrodynamics (cavity QED), Magnonics, Spintronics.	https://www.imt-atlantique.fr/fr/personne/vincent-castel

Supervisors mentioned in the table have undertaken to consider carefully the applications they will receive