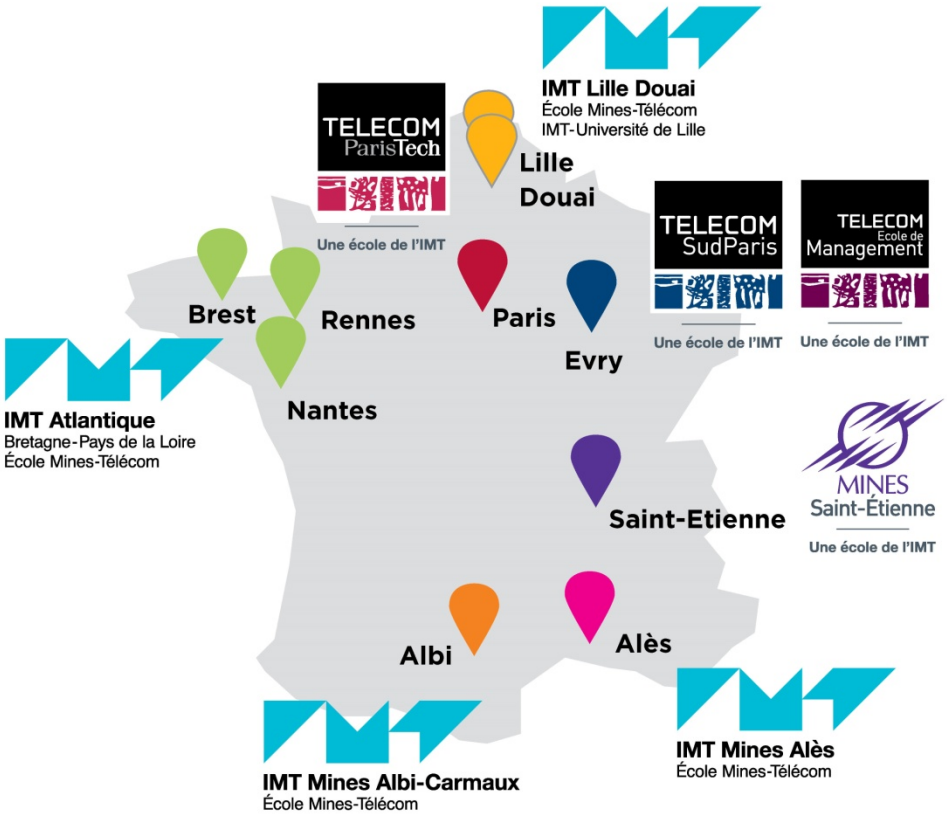
IMT Atlantique
Bretagne-Pays de la Loire
École Mines-Télécom

IMT ATLANTIQUE
BRETAGNE PAYS DE LA LOIRE

GENERAL PRESENTATION

IMT GROUP



13 « grandes écoles »

12 300 students

4 200 diploma delivered per year

64 millions euros of research contract ressources

1 837 publications per year

IMT ATLANTIQUE – AT A GLANCE

French Elite Graduate Engineering School, under the joint **authority** of
Minister of Industry and Electronic Communications
Minister of Higher Education and Research

Filiation : merger in 2017 of Telecom Bretagne and Mines Nantes. A Graduate Engineering School of IMT.

Ambition : combining digital, environment and energy to shape the society and the industry.

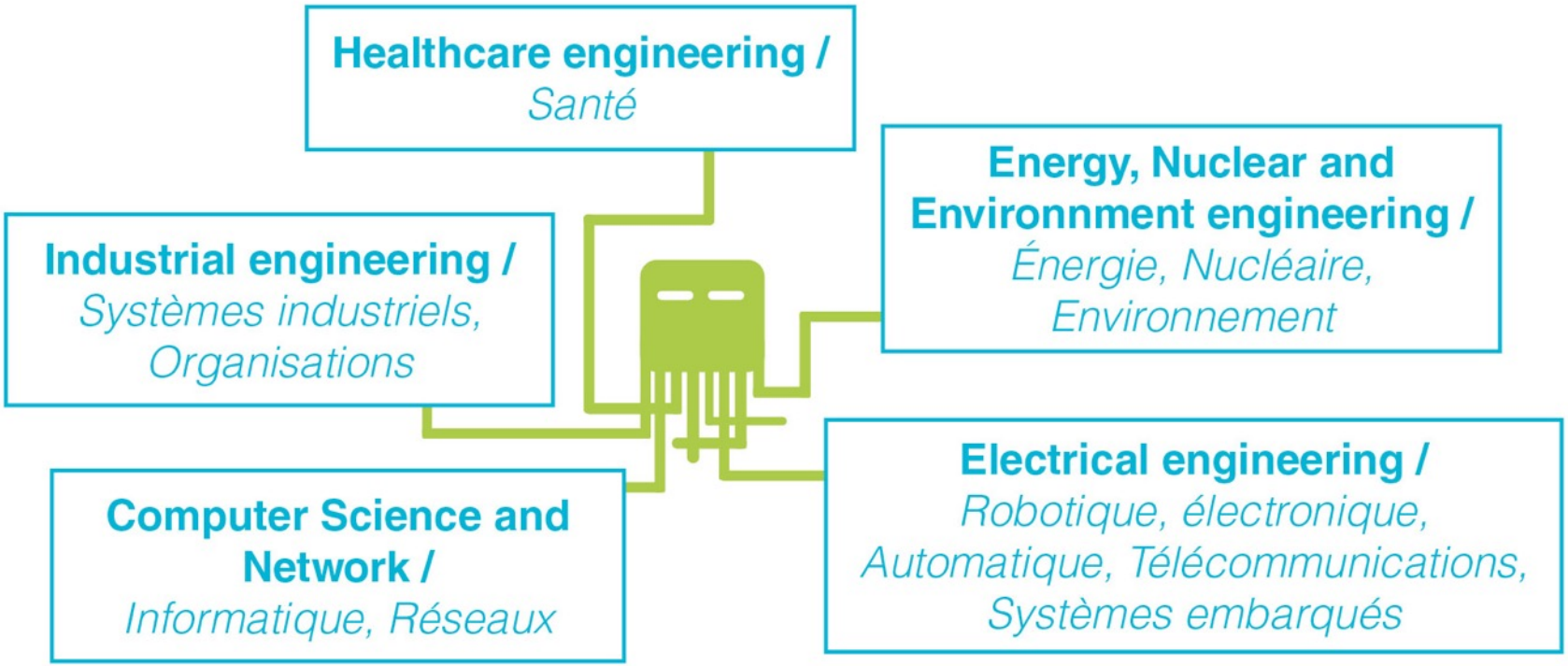
Resources :

- ►500 permanent staff.
- ►70M€ budget, including 27M€ from own resources (20 M€ Research & Innovation).
- ►3 campuses : Brest, Nantes, Rennes. 94,000 m2.

IMT ATLANTIQUE – AT A GLANCE

Education :

- 2300 students – 1400 generalist and specialized graduate engineers .
- **780 graduates** / year (of which 80 PhDs).
- 5 engineers diplomas including apprenticeship.
- 20 Master level in French and English
- 5 PhD doctoral school
- Very active in educational innovation (MOOC, etc.).



IMT ATLANTIQUE – AT A GLANCE

- Many academic partnerships, including international collaborations
- 51 double degree agreements, > 70 nationalities on our campuses.
- 20 Master level in French and English.
- 4 off-shore formations (China, Ivory Coast, Morocco, Vietnam)

Sustainable development & Social responsibility

- Strong commitment of IMT Atlantique, labeled at a national level.

Contribution to scientific, technical and industrial culture

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RESEARCH & INNOVATION

ASSOCATION OF DOMAINS FOR BETTER ANSWERS FOR THE FUTURE

Energy transition

Modelling of multi-energy networks, optimisation and decision aid for energetic systems, 5G mobiles, Waste management and valorization

Digital transition

Cybersecurity of infrastructures, security of distributed systems and software, networks and communication systems,, Big data, Artificial Intelligence, IoT, 5G et beyond, software engineering

Health of the future

Medical imaging, dynamical assistance to medical gesture, robot and health, health data security, radiobiology, nuceal medecine, medical logistics

Transformation of socio-technical systems

Environnemental transition

Satellite and underwater observations, prediction and understanding of data, instrumentation, radiochemistry of environment

Industrial transition

Network of distributed and collaborative production systems, flexible and agile information systems, cloud manufacturing, adaptive robotics, bio-inspired robotics, and drones, digital transition for companies

Nuclear risks and interactions

Detection of high energy particles, simulations, atomic interaction, non destructive control, nuclear and society, radiochemistry, high energy universe

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RESEARCH & INNOVATION
KEY FIGURES

- 290 researchers of which 115 HDR, 280 PhD,
- 752 publications / year
- 20,5 M€ research contracts, 18 european projects,
- 13 industrial or international chairs, 4 joint labs with industry,
- 68 patent groups,
- 6 joint research units with CNRS, INRIA ou INSERM.

RESEARCH & INNOVATION

International rankings

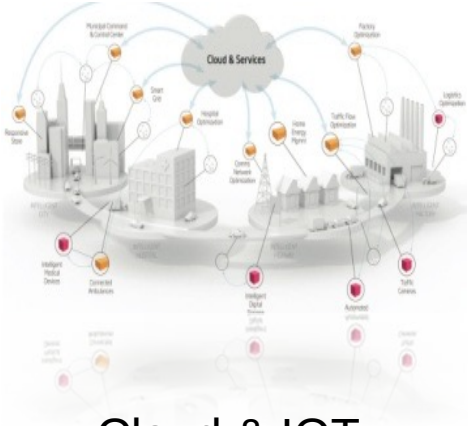
- THE WUR [351-400] ;
  THE by subject :
  Physical sciences [251-300],
  Engineering & Technology [301-400],
  Computer Science [301-400]

- ARWU by Subject
  Telecommunication engineering [151-200]
  Electrical & electronic engineering [201-300]
  Computer science engineering [301-400]
  Physics [301-400]

ACADEMIC RANKING OF WORLD UNIVERSITIES SINCE 2003

- World Young Universities less than 50 years [57]

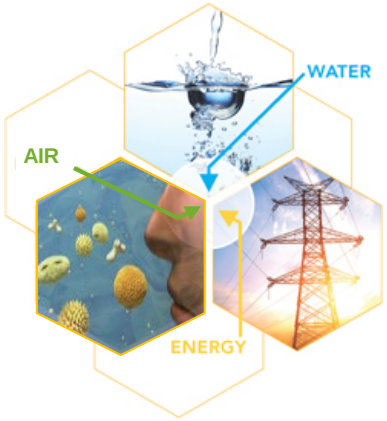
SOME RESEARCH HIGHLIGHTS



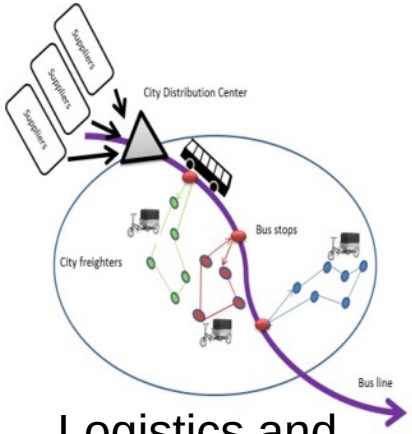
Cloud & IOT

Industry 4.0
Cobotics

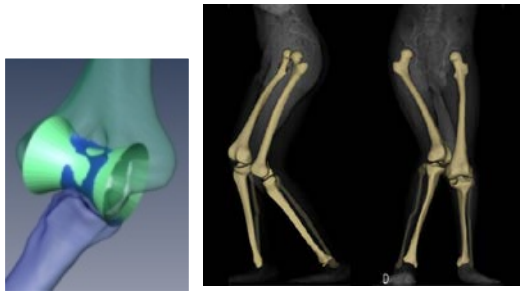
Energy transition
Hybrid energy network



Environnemental Engineering
Water-air-energy nexus



Logistics and
ITS



Decision Aid for
Surgery Gesture

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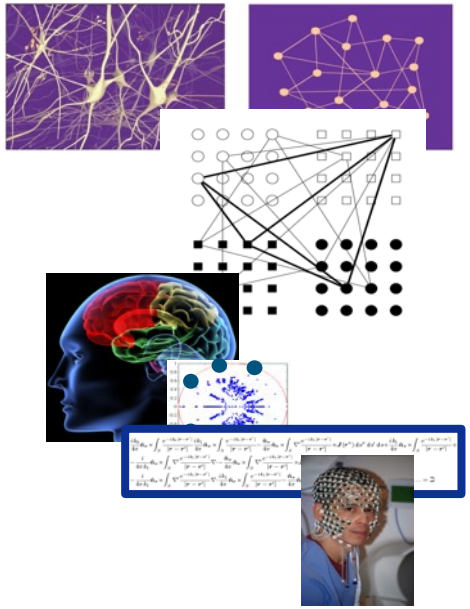
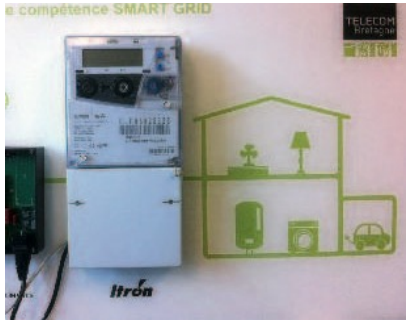
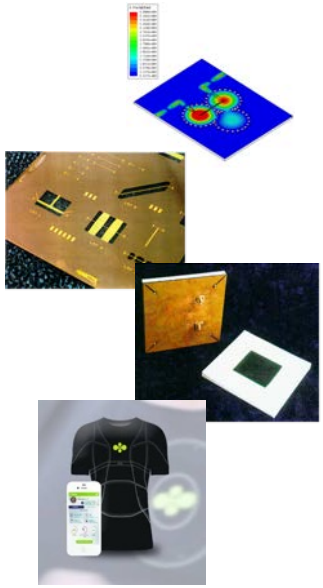
SOME RESEARCH HIGHLIGHTS

Neuro-inspired and embedded AI

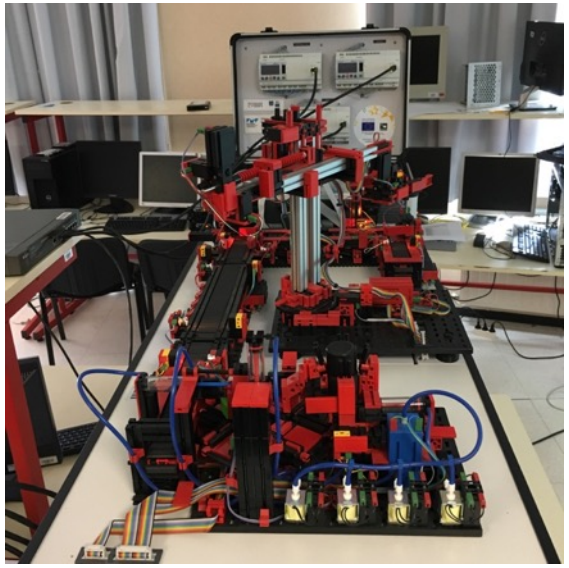


Smart objects for Future of Internet



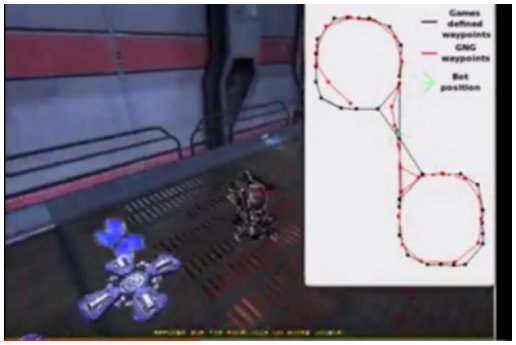


Radars
3D devices, physiological sensors



Enablers for
Smarter Environments

SOME RESEARCH HIGHLIGHTS



Human Avatar interaction

Human Robots interaction

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