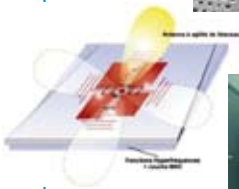
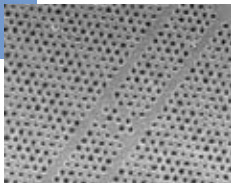
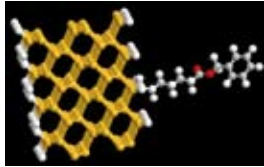




The Institute of Electronics, Microelectronics and Nanotechnology

was created in 1992 by the National Centre for Scientific Research (CNRS), the University of Science and Technology at Lille (USTL), the University of Valenciennes and Hainaut Cambrésis (UVHC) and Institut Supérieur d'Electronique et du Numérique (ISEN). The IEMN has a unique structure composed of physics, electronics and acoustics researchers working together with different cultures, methods and objectives in order further in their knowledge and know-how about fundamental problems and their applications.

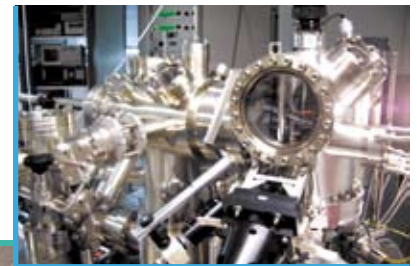


→ Research fields

- Materials and nanostructures
- Microtechnology and microsystems
- Micro and opto-electronics
- Circuits and telecommunications systems
- Acoustics
- Instrumentation for the health, agriculture and transport industries

→ Technical Resources

- Technological facilities,
 - 1600m² of clean rooms,
 - Member of the National Technological Network for Basic Technological Research (BTR)
- Characterisation centre
- Telecommunications platform
- Scanning probe microscopy platform



→ Markets

A specialist in ultra high-speed devices, our technologies are aimed at the next generation of communication systems for the general public as well as the aerospace, automobile and instrumentation sectors.





→ IEMN's Achievements

- Several world first results
- State of the art world-class production facilities
- High quality scientific productions
 - Articles within prestigious scientific publications
 - Delivery of renowned conferences
- 3 "IEMN-Industry" joint laboratories
- 3 spin-off companies created in the last three years

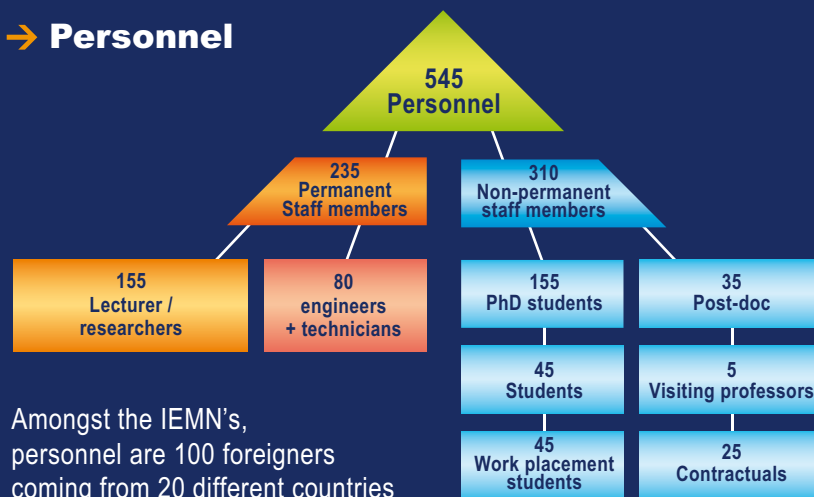
→ Perspectives

In the near future, the IEMN wishes to master interdisciplinary challenges

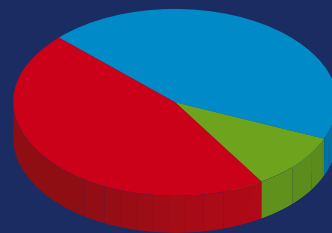
- By promoting the concept of ambient intelligence (*heterogeneous integration and cointegration of hardware-software*)
- By continuing to work towards the inclusion of life sciences within our domain of competences

→ Key figures

→ Personnel



→ Budget



Salaries	8,3 M€
Internal funding	7,9 M€
Annual income	1,7 M€

■ Staff

Permanent staff (full-time equivalent): 195 • PhD students: 190

■ Budget

Global budget: 17 900 k€ • Partnership research incomes: 1 500 k€

→ Contacts

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