

Institute of Electronics, Microelectronics

and Nanotechnology **UMR CNRS 8520**

Institute of Electronics, **Microelectronics** and Nanotechnology

See better • Understand better • Capitalize better

The Laboratory

Institute of Electronics, **Microelectronics** and Nanotechnology, a laboratory created in 1992 by four academic institutions: Lille1 University, University of Valenciennes and Hainaut Cambrésis, ISEN-Lille and CNRS. Around 500 people

IEMN stands for

The scientific policy of the Institute is declined in five research Departments:

Materials and nanostructures

Technological Facilities



Telecom platform

Staff : 3 Ing/Tech



• Ultra high vacuum AFM/STM at



FOUIPMENT

- Ultra high vacuum STM, ambiant T° Complex signal generators • Complex modulation schemes • High data rate systems
 - characterization
 - WLAN
 - UWB



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• Study of the coupling phenomenon of electromagnetic (EM) fields to wires assembly Validation of predictive numerical models • Testing of electronic equipments for compliance to EMC standards

Electro Magnetic

Compatibility

platform

Staff : 2 Ing/Tech

