



A network of technology platforms  
devoted to training and research in  
micro and nanotechnology

Hosting each year :  
1750 students from  
77 national training tracks  
and  
200 researchers  
from 19 laboratories  
for more than 141 600 hours

Pooling facilities  
Supporting innovation in education  
and science  
Sharing knowledge  
Relating business

Degree-level education  
Research-focused training  
Professional development  
Technical support for business

# A network of 8 platforms



## Clean room

750 m<sup>2</sup> class 100 and 10  
IC and MEMS manufacturing technology



## Characterization

Electrical characterization of integrated electronic devices



## Nanoworld

Near field microscopy : AFM , EFM, MFM and STM



## Design and test

VLSI CAD software (Cadence, Mentor Graphics, Synopsys...), prototyping of digital architectures (Altera, Xilinx), hardware and software testing facilities



## Smart devices

Smart devices and embedded Systems on Chip (Soc)

## Hyperfrequency, optoelectronics and guided optics

Radio and microwaves measurements, telecommunication systems and guided optics

## Biotechnologies

Cell and molecular biology, DNA grafting and hybridizing, biochips

## Microsystems and sensors

Energy microsources, micro sensors, micro actuators