Facilities
Integrated Micro and Nanofabrication Clean Room:
- Inaugurated in 1991 (25 years in 2016)
- 1500 m²
- Open access large scale facility for:
  - National or international R&D institutions or SMEs
  - R&D projects or small series production of prototypes
Capabilities:
- Integrated devices in CMOS technology
- Microsystem technologies
- Nanofabrication processes
- Wide-Band-Gap technologies for power devices
- Polymer technologies for (bio)chemical transducers

Our Mission
- Fundamental and applied research
- Technology transfer
- Training and continuous education
- Outreach

Micro and Nanotechnologies for the Societal Challenges
Applications on:
- Health and well-being
- Food and Environment
- Energy and Smart Mobility
- Smart Cities and Internet of Things
Research Lines

Micro and Nanotechnologies and Devices:
- Advanced Thin Dielectric Films
- Micro and Nano Tools
- Sensors and Actuators
- Radiation Detectors
- Micro Energy Sources

Nanofabrication and Nanostructures:
- 1D and 2D Nanomaterials for Electronics
- Nanolithography and Nano-Patterning

(Bio)chemical Transducers:
- Liquid and Gas Sensors
- Lab on Chip

Micro-nano-bio Systems:
- Bio-MEMS
- Organ on Chip

Power Devices and Systems:
- Silicon Power Devices
- Wide Band Gap Semiconductor Devices
- Power Systems Integration & Reliability

Integrated Circuits and Systems:
- Low Power & Low Voltage
- Advanced Digital & System-on-Chip Design
- Sensors, Circuits and Systems Integration

Nanofabrication facilities
- Non-silicon materials (Nitride, Gallium, Indium)
- Hot-pressed silicon carbide

30 Year Highlights...

...we continue working to achieve new goals and keep progressing

Key Figures

Staff
- 200 persons (25% women)
- 70 Researchers
- 60 Ph.D. students
- 30 Technicians

Publications
- 50% of them international

Technology transfer
- 7 patents per year
- 5 spin-off companies created in 10 years

Budget
- 120 million euros from competitive projects and contracts (60% of them international)

...we continue working to achieve new goals and keep progressing

- 2000 scientific papers published in SCI journals per year
- 120 conference presentations per year