

The Nanofabrication Laboratory at Chalmers

A Member of the μ -Fab Network

State-of-the-art

Professional

Responsive

Stimulating

Innovative

Three Partnership Options

– for Commercial and Academic Interests

- Cleanroom Access
- Research Collaboration
- Processing, Prototypes & Consultancy

MC2 Access

We can offer FREE short-term access (4 application rounds/year) to advanced processing for microwave electronics, photonics and nanotechnology through our EU-contract MC2 Access:

<http://www.mc2.chalmers.se/MC2Access/>

Strategic Focus Areas

Microwave and Photonic Processing Line

- State-of-the-art transistors, lasers, detectors and integrated circuits for microwave, terahertz and photonic applications
- From ultra low-noise applications to high power applications
- Complete set of process tools for SiC, GaN, InP and GaAs material processing
- Applications from basic research, demonstrators, prototypes to sensitive instruments

Nano & Quantum Technology Line

- State-of-the-art superconducting quantum devices and novel nano components
- Strong heritage within electron beam lithography
- Innovative for years to come
- Applications from bioelectronics to single electron devices

The Facility

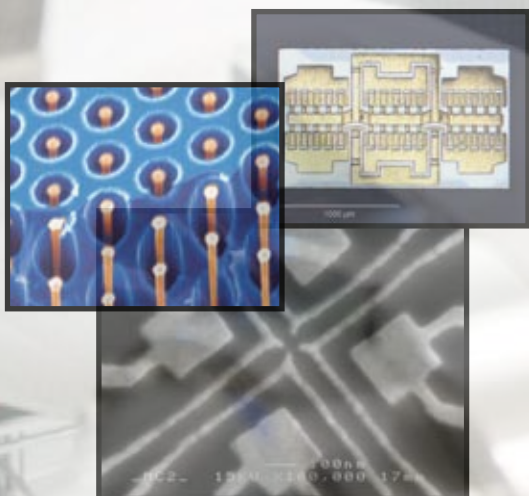
The Nanofabrication Laboratory is a world-class university clean-room for research and fabrication of micro and nanotechnology.

The facility is state-of-the-art in construction, technology, and competence, with 1240 m² of cleanroom classified area. It offers a broad platform for the development and testing of new ideas in micro and nano technology.

The cleanroom benefit from its "ballroom" style and extremely low vibration environment (VC-E curve).

Education & Training

- Hands-on training on the use of process tools
- The Cleanroom Safety Introduction Course
- A Masters course in "Fundamentals of Micro and Nanotechnology"
- A Graduate course in "Micro and Nano processing technologies"
- Courses can be customised to suit any partner's needs or interests



www.mc2.chalmers.se/nanolab/

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