



GEMaC

Groupe d'Étude de la Matière Condensée

EXPERIMENTAL FACILITIES

Various elaboration and characterisation experiments are deployed and available to the research teams of GEMaC.

Research activities in GEMaC are based on an important experimental infrastructure dedicated to the elaboration and growth of materials, to their characterisation and the investigation of their properties. The research teams and the shared structures can also count on the scientific instrumentation service and the mechanical workshop.

Epitaxy and material elaboration

- » ALD for oxides
- » Diamond plasma CVD
- » PLD for oxides
- » MOCVD of II-VI semiconductors
- » Metal and oxide deposition

- » Material shaping
- » Pre- and post-growth processing
- » Optical lithography

Characterisation

- » AFM
- » X-ray diffraction
- » Electron microscope
- » Profilometer

Instrumentation service

Mechanical workshop

Spectroscopy and optics

- » Cathodoluminescence
- » Near-field optics
- » Fourier transform spectroscopy
- » Quantum optics
- » Photoluminescence
- » Spectrophotometry
- » Raman spectroscopy

Transport and magnetism

- » PPMS - Transport and magnetic measurements
- » Transport measurements

SIMS