



The Institute of Nanostructured Materials and Photonics, a subsidiary of the JOANNEUM RESEARCH Forschungsgesellschaft m. b. H., is an integral part of national and international cooperations and networks in the field of nanotechnology.

Our main field of research focuses on the development of optoelectronic (oFETs) and photonic devices (organic photo cells, LEDs) on the basis of organic and inorganic materials. To realise that we developed various methods and processes: Nanoimprint Lithography and 3D-Laserlithography for nanoscaling structures; Photolithography using sputtering and PVD tools to build thin layers and a wide set of characterisation tools for process verification.

The characterisation tools include surface scanning methods like SEM, AFM and STM, chemical characterisation like XPS and UPS and electric characterisation by a probe station with fine contacting tips in a glovebox argon atmosphere.

We offer

- Bilateral and network based cooperation in scientific programmes
- Process development and device assembly
- Consulting in organic and inorganic optoelectronics and sensors
- Material characterisation techniques as a service to partners