

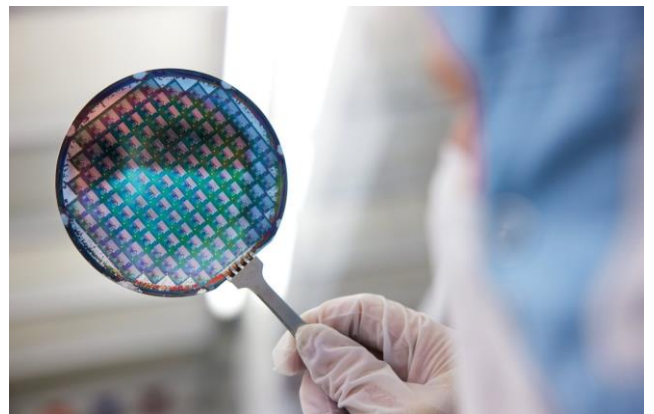
**THE AIM** is to present our infrastructure for nano- and micro fabrication and related characterization, with complete process lines supporting a wide range of technologies, e.g., micro and nano electromechanical systems, photonic and electronic devices, including an experimental CMOS line.

Our innovation environment and production incubator, capable of maturing research ideas into prosperous companies is also presented.



**THE OFFER** is aimed to users from both academia and companies. Access is admitted after fulfilment of an introduction course and additional education on specific tools. As part of our services, we also offer laboratory space to rent - with full access to our lab infrastructure. A transparent business model is applied. As an Electrum Lab user you are part of an ecosystem of leading researchers, innovators and industrialists. The laboratory users are deeply involved in processes development, investment decisions and establishing of work routines. We maintain an ISO 9001 certified quality system, for tool maintenance, process stability, documentation and quality improvements.

Through the collaborations within Myfab and with Institute of Solid State Physics University of Latvia, the users have access to the processes and research competence at these leading academic institutions.



**DR. NILS NORDELL** has a research background from epitaxial growth and characterization of semiconductor materials for optoelectronics and power applications. Since 2001 he is Director of Electrum Laboratory with responsibility for operation, maintenance and administration of the facility. The focus on efficiency has rendered high user satisfaction at low operation costs, which is the key for scientific excellence at the lab, and for the innovation success in the production incubator. [nordell@kth.se](mailto:nordell@kth.se)



**KTH** is the largest technical university in Sweden with 17.500 students and 5.000 employees. The research and education covers a wide area including natural sciences and all branches of engineering, as well as architecture, industrial management, urban planning, history and philosophy. KTH operates **Electrum Laboratory** in close collaboration with **RISE** as an open access facility for education, research, development, and production of nano and microtechnology devices. The lab includes a 1300 m<sup>2</sup> cleanroom with process lines for device research and manufacturing and in addition 1200 m<sup>2</sup> of state-of-the-art laboratories for, e.g., nanomaterials synthesis and processing, advanced materials and device characterization, and die mounting. [www.electrumlab.se](http://www.electrumlab.se)