

Luca Boarino - CV

He degree in Physics in 1987 at University of Torino. He joined INRiM (Istituto Nazionale di Ricerca Metrologica), working on photothermal spectroscopy in semiconductors, porous silicon and on gas doping in silicon nanostructures. His research interests are related to nanofabrication, self-assembly and silicon nanowires. Since 1998 to 2007 he contributed to clarify the interaction mechanisms between silicon nanostructures and nitrogen dioxide. Since 2009 he is founder and responsible of Nanofacility Piemonte INRiM, a nanofabrication laboratory by electron and ion beams. In the last years contributed to integrate the fabrication methods by self-assembly with the conventional micro and nanolithography approaches. More recently contributed to the development of memristive technologies for neuromorphic computation and room temperature quantum conductance standards. He is currently Technology Director, member of the INRiM Scientific Board, Head of the Sector Advanced Materials and Devices (<https://amdgroup.inrim.it/home>) of the INRiM Division "Advanced Materials Metrology and Life Sciences", Italian representative of VAMAS (<http://www.vamas.org>), Vice-chair of the European Metrology Network "Advanced Manufacturing" for the section Advanced Materials and co-author of more than 200 international publications.