

IMT- Bucharest (www.imt.ro) (National Institute for R&D in Microtechnologies) originates in the Centre of Microtechnology (founded in September 1991), then becoming the Institute for Microtechnologies (IMT) by a decision of the Romanian Government, in July 1993. The present **National Institute for Research and Development in Microtechnologies** (IMT - Bucharest) was set up at the end of 1996 from IMT merging with the former ICCE (Research Institute for Electronic Components).

IMT-Bucharest is a national institute, whose main field activity is the research and development of **micro-nano-bio-technology, technology transfer and education.**

The base research in IMT - Bucharest is dedicated to the following directions:

- Microsystems and sensors for biomedical applications and environmental, microfluidic and integrated technologies based on silicon for nanomaterials development and nanostructures
- Micro / nanophotonics – development of micro / nanostructures, processes and photonic integrated circuits optical MEMS technology, materials, photovoltaic and optoelectronic devices
- RF-MEMS - Research, technological development of devices and circuits for communications
- Micro-and nanostructuring and characterization of materials and structures, using equipment with high resolution (facilitated by micro-nanofabrication IMT-MINAFAB). IMT-Bucharest has a long experience in international cooperation: 15 FP6 EU projects, 12 FP7 and projects as ENIAC- 4 projects (nanoelectronics), ERANET (6), COST (2), Leonardo da Vinci (2).

In IMT Bucharest is active a European Centre of Excellence financed by the EC (2008-2011)FP7- REGPOT through the project MIMOMEMS (RF and Opto MEMS).

In December 2009, the European Associated Laboratory (LEA) was inaugurated, with IMT - Bucharest, LAAS/CNRS Toulouse, France and FORTH, Heraklion, Greece. This LEA lab is acting in the field of RF MEMS/NEMS.

IMT- Bucharest has a broad range of resources for micro- and nanotechnologies, from simulation and design computer techniques, to characterization tools, fabrication equipments (including a mask shop), and testing equipments (including a reliability laboratory). Most of these resources are now grouped in the IMT centre for **Micro- and NanoFABrication (IMT-MINAFAB)**, an open centre for research, education and innovation, which offers services for academic and industrial partners.