

SCIENCE AND TECHNOLOGY FOR YOUNG STUDENTS

The Institute for Microelectronics and Microsystems (IMM) belongs to the Department of Physical Sciences and Technologies of Matter of the National Research Council (CNR), and is organized in 6 different sections located in Agrate Brianza, Bologna, Rome, Lecce and University of Catania, with the headquarters in the Catania's industrial zone site. The Institute's research activities are focused on: advanced materials and processes for micro- and nano-electronics, intelligent components, optoelectronics and photonics, sensors and multifunctional systems. The activity is also aimed at creating devices in the memory sector, MEMS, power devices, sensors and solar cells, through the use of innovative methodologies. IMM participates in and coordinates multiple research projects, national, European and international, also in collaboration with industries in the semiconductor sector.

The Institute is also engaged in training activities aimed at young people, hosting numerous students for the development of Master's Degree, Bachelor's and Doctoral theses, in various scientific disciplines, including Physics, Chemistry, Engineering and Materials Science, and in collaboration with various Italian and foreign universities. IMM is also engaged in various scientific dissemination activities to the public, to schools and public/private bodies in the area.

IMM proposes for the 6th consecutive year the project STEM Women in Science. Originally written for the "STEM" initiative of the Dipartimento per le Pari Opportunità (DPO), the project aims at carrying out scientific seminars held by the female researchers of our Institute. The seminars' objective is to discuss and explain the latest scientific results in the nanotechnology field and to witness the Researchers experiences in the scientific world. In the past project editions, we also hosted, in our Catania site, High School students for a lab visit.

Again this year, CNR-IMM will host a speaker from STMicroelectronics Catania, as evidence of the CNR-Industry bond, and a sociologist of CNR-IRPPS who will report on social conditioning (beliefs, stereotypes and prejudices) and their effect on educational and professional choices. Please visit our website (<https://hq.imm.cnr.it/womeninscience>) to see a selection of events held in past years and those scheduled for this year.

Coordinator: Rosaria A. Puglisi

Program:

- Introduction to the event by the organizers.
- Scientific seminars held by the CNR-IMM researchers / postdocs / fellows and of the PhD students from the Universities collaborating with CNR-IMM;
- Seminars held by the speakers of STMicroelectronics, Catania;
- Sociological report on gender stereotypes from CNR-IRPPS.

