

Workshop on Physics and Engineering

synergy of innovative materials' technology and applications in basic research



21 November 2022 (9:20)

Sala Accademia Peloritana dei Pericolanti, University of Messina, Messina, Italy



The workshop brings together scientists working on innovative materials and technologies, and/or developing characterization methods and devices to discuss developments, current challenges and research perspectives.

Registration:

No registration fee

Topics:

- Detectors for Particle Physics
- Neutron and X-ray imaging
- Low temperature Physics
- Innovative materials, advances and applications
- Dielectrophoresis and electrophoresis in fluids

Description:

The workshop is designed to outline the synergy between Physics and Engineering in the development of cutting-edge solutions in different fields such as Particle Physics, Materials and Matter Physics, Cultural Heritage, Low Temperature Physics and Biomedicine.

The event wants to highlight how Physics and Engineering are two complementary domains, whose combination leads to the development of more complete and effective methods, devices and technologies.

Two will be the principal pillars: 1) the presentation of the advances in innovative materials synthesis and characterization techniques, and 2) the illustration of the innovative and unconventional instrumentation realization procedure.

Consequences of the progress in the field will be discussed in the context of sensors, microelectronics, dosimetry, energy conversion and green research.

Invited Speakers:

Prof. A. Penzo - Dep.t of Physics and Astronomy - University of Iowa- USA

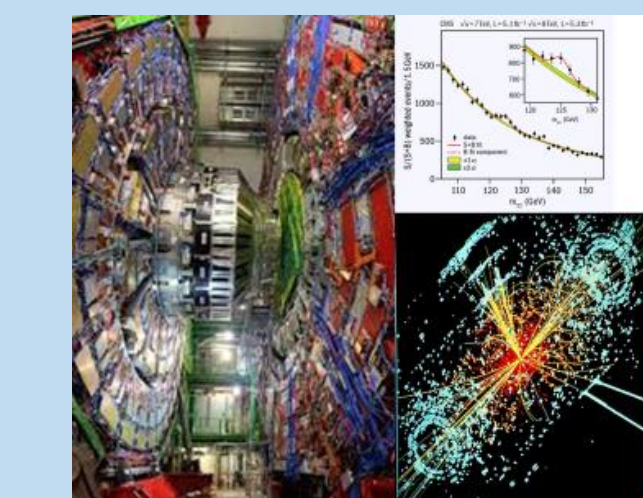
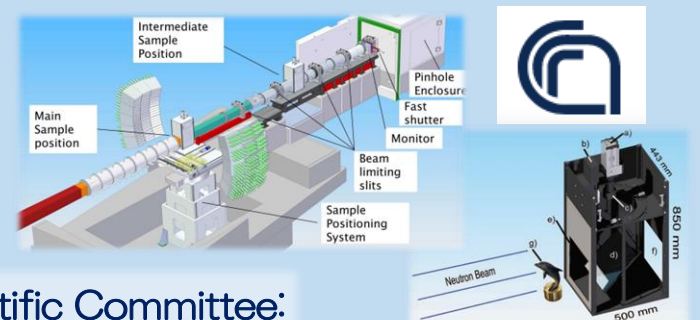
Dr. V. Finocchiaro - NXP Semiconductors Austria GmbH & Co KG

Prof. G. Carini - Dep.t MIFT - University of Messina, Italy

Prof. L. Torrisi - Dep.t MIFT - University of Messina, Italy

Dr. F. Aliotta - CNR - Messina, Italy

Dr. F. Zanini - Elettra Sincrotrone Trieste



Organizers and Scientific Committee:

Prof. L. Silipigni - Dep.t MIFT - University of Messina

Dr. A. Irrera - CNR - LabSens Beyond Nano - Messina

Dr. B. Fazio - CNR - LabSens Beyond Nano - Messina

Dr. E. Salvato - Dep.t of Engineering and Architecture - University of Trieste

Dr. M. Cutroneo - NPI - Czech Republic

Dr. A. Torrisi - Interuniversity Physics Dep.t M. Merlin - Bari

Prof. L. Torrisi - Dep.t - MIFT University of Messina

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