

## Organizing and scientific committee:

**L. Silipigni** - MIFT Department - UniME  
**A. Irrera** - CNR - LabSens Beyond Nano - Messina  
**B. Fazio** - CNR - LabSens Beyond Nano - Messina  
**E. Salvato** - DIA - UniTS  
**L. Torrisi** - MIFT Department - UniME  
**M. Cutroneo** - NPI - Czech Republic  
**A. Torrisi** - Interuniversity Physics Department,  
*M. Merlin* - Bari

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Supported by:

**University of Messina**  
**Accademia Peloritana dei Pericolanti**  
**HORIBA Scientific**

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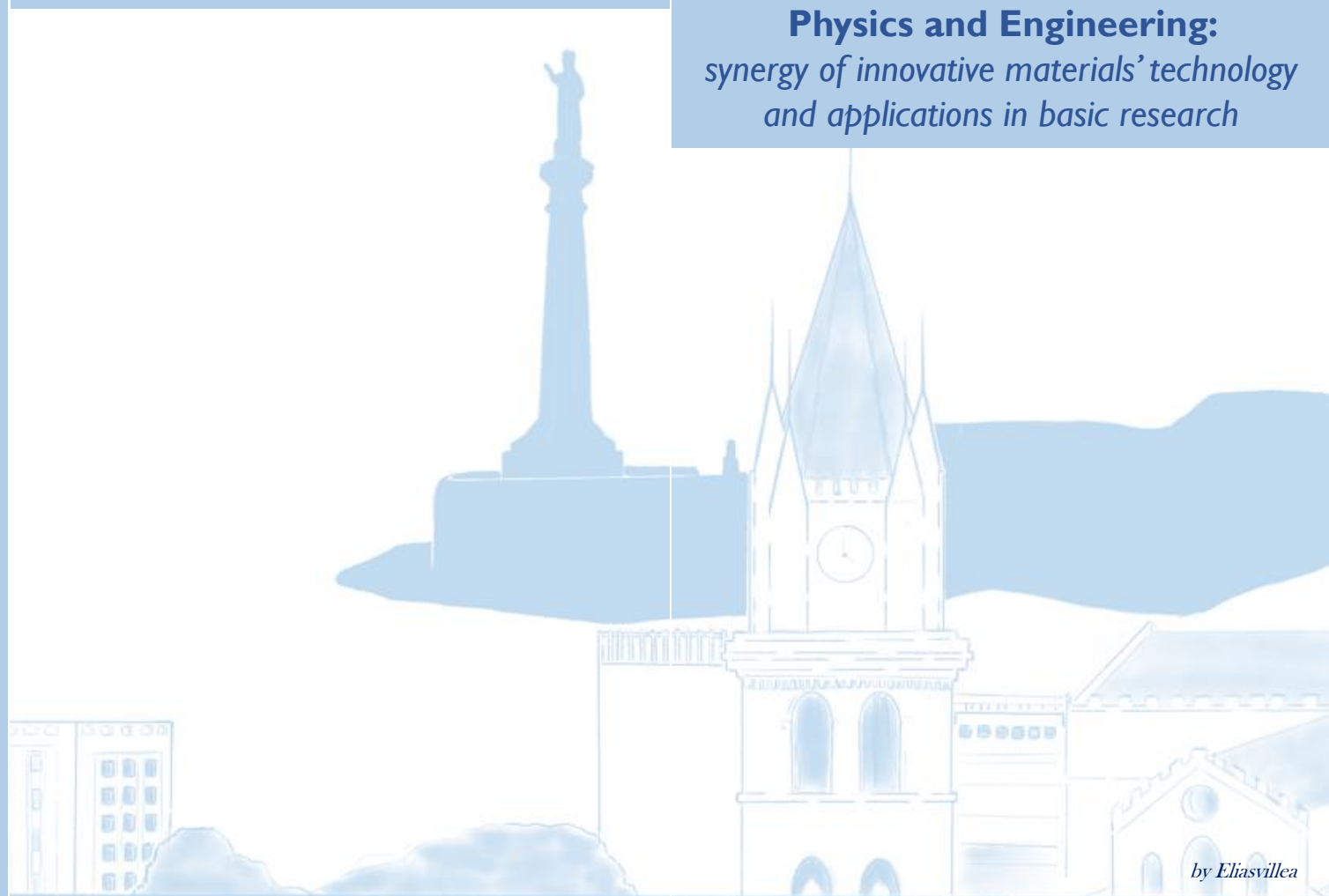
**HORIBA**  
Scientific



University of Messina

**Workshop on**

**Physics and Engineering:**  
*synergy of innovative materials' technology  
and applications in basic research*



*by Eliasvillea*

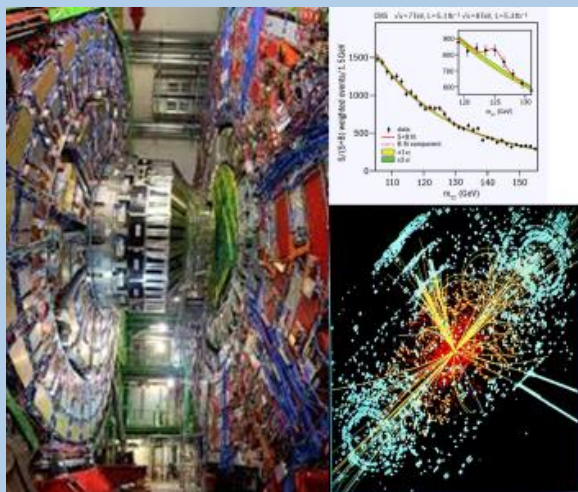
**November 21, 2022**

Sala Accademia Peloritana dei Pericolanti -  
- Piazza Pugliatti -  
University of Messina

The Magnificent Rector of the University of Messina, the Director of the MIFT Department, the Director of Physical, Mathematical and Natural Sciences of Accademia Peloritana dei Pericolanti and the members of the Organizing Committee are pleased to announce the:

Workshop  
on

**Physics and Engineering:**  
*synergy of innovative materials' technology  
and applications in basic research*



**November 21, 2022**  
**Sala Accademia Peloritana dei Pericolanti**  
**Piazza Pugliatti**  
**University of Messina**

## PROGRAM

Chair: **L. Silipigni** (UniME)

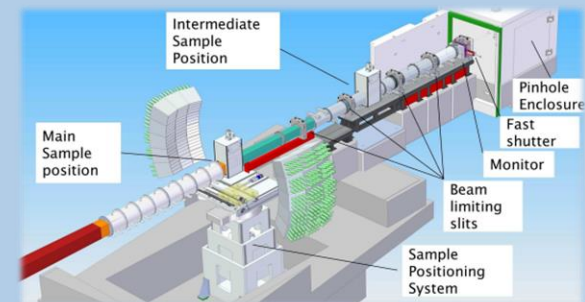
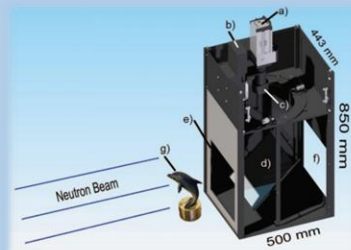
- **9:20** Welcome by the **Magnificent Rector**, the **Director of the MIFT Department** and the **Director of Physical, Mathematical and Natural Sciences of Accademia Peloritana dei Pericolanti**

- **9:30 G. Carini** (UniME)  
*“Low temperature physics at the Physics Department of Messina: Process engineering improves the performances of low temperature calorimetry”*

- **10:00 F. Aliotta** (CNR)  
*“Competition between dielectrophoresis and electrophoresis in fluids under electric field”*

- **10:30 F. Zanini** (ELETTRA Synchrotron, Trieste)  
*“Looking at Ancient Object Under Different Light: Cultural Heritage Science at Elettra”*

- **11:00:** coffee break



Chair: **E. Salvato** (UniTS)

- **11:30 V. Finocchiaro** (NXP Semiconductors Austria GmbH & Co KG)  
*“The IMAT imaging camera”*
- **12:00 L. Torrisi** (UniME)  
*“Graphene-based materials: properties, advancements and applications”*
- **12:30 A. Penzo** (University of IOWA)  
*“Evolution of Detectors for Particle Physics”*

A **special issue**, containing all the manuscripts received by the Scientific Committee for this event, will be published on the international journal:

**Radiation Effects and Defects in Solids**  
edited by **Taylor & Francis** group