



THURSDAY

June

11

2026

10<sup>00</sup>-17<sup>00</sup> CET

Genova (IT)

## HYPERFINE INTERACTIONS AT THE NANOSCALE

Hyperfine interactions at the nanoscale provide fundamental insight into the local magnetic, electronic, and structural environments of materials, playing a crucial role in fields such as condensed matter physics, nanotechnology, catalysis, and advanced magnetic materials. In this context, techniques such as Mössbauer spectroscopy offer a powerful tool to probe hyperfine interactions, enabling the investigation of oxidation states, magnetic ordering, and local symmetry with high sensitivity at the atomic scale. The Workshop on “Hyperfine Interactions at the Nanoscale” aims at providing a platform to discuss and debate some of the most recent developments in the field. It includes a keynote lecture given by Prof. Jean Marc Grenèche (Le Mans University, France) on advanced spectroscopic approaches to probe hyperfine interactions in nanostructured systems, followed by a series of selected talks given by national experts on the topic.

### CHAIRS

**S. SLIMANI** Un. Genova, CNR-ISM, INSTM

**D. PEDDIS** Un. Genova, CNR-ISM, INSTM

### ORGANIZING COMMITTEE

**S. SLIMANI** Un. Genova, CNR-ISM, INSTM

**D. PEDDIS** Un. Genova, CNR-ISM, INSTM

**A. MANGOLINI** Un. Genova, CNR-ISM

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**V. PULIAFITO** Pol. Bari

**D. PETTI** Pol. Milano

**S. LAURETI** CNR-ISM

**P. MALTONI** Un. Genova, CNR-ISM

### KEYNOTE SPEAKER

**J. MARC GRENECHE**

Un. Le Mans

### INVITED SPEAKERS

**R. MANTOVAN** CNR-IMM  
(Italian Representative to IBAME)

**N. YAACOUB** Un. Le Mans

**S. SANNA** Un. Bologna

**M. FITTIPALDI** Un. Firenze