

# International Workshop on Advances in Quantum Magnetism and Superconductivity (Parma, January 8–9, 2026)

At [Auditorium “Centro Sant’Elisabetta”](#) Parco Area delle Scienze 93/A - 43124 Parma

Website: <https://advmagsc.eu>

## 8 January

Time	Speaker / Event	Affiliation	Title
14:30	Welcome		
Chairs: S. Carretta, M. Solzi			
15:00–15:30	<b>Roberto De Renzi</b>	University of Parma, Italy	<i>Quantum magnetism and superconductivity from the INPS viewpoint</i>
15:30–16:00	<b>Stephen Blundell</b>	University of Oxford, UK	<i>Spin eccolo: quantum coherence and the muon</i>
16:00–16:30	<b>Bernd Büchner</b>	IFW Dresden, Germany	<i>Topological superconductivity in PtBi<sub>2</sub></i>
16:30–16:50	Coffee Break		
Chairs: M. Riccò, P. Santini			
16:50–17:20	<b>Vesna Mitrović</b>	Brown University, USA	<i>Probing Ground State Wavefunction Evolution through Magnetic Phase Transition in Layered van der Waals Material</i>
17:20–17:50	<b>Pietro Carretta</b>	University of Pavia, Italy	<i>Very low-frequency fluctuations emerging from competing interactions: from iron-based superconductors to metal-organic frameworks</i>
17:50–18:10	<b>Roberto Caciuffo</b>	Italy	<i>XMCD and RIXS studies probing ground and excited states in the metallic ferromagnet AmFe<sub>2</sub></i>
18:10–18:30	<b>Renato Gonnelli</b>	Politecnico di Torino, Italy	<i>Multi-gap nature of superconductivity in gate-driven hydrogen intercalated 1T-TiSe<sub>2</sub></i>
20:00	Dinner	<i><a href="#">I Tri Siochetti</a> - Ristorante Trattoria, <a href="#">Strada Comunale Farnese, 74/A, 43125 Parma PR</a></i>	

## 9 January

Time	Speaker / Event	Affiliation	Title
Chairs: P. Bonfà, M. Ghidini			
09:30–09:50	<b>Hubertus Lütken</b>	Paul Scherrer Institute, Switzerland	<i>Magnetic and charge density wave order in La<sub>3</sub>Ni<sub>2</sub>O<sub>7</sub>, La<sub>2</sub>PrNi<sub>2</sub>O<sub>7</sub>, and La<sub>4</sub>Ni<sub>3</sub>O<sub>10</sub> as a function of pressure and oxygen-isotope substitution</i>
09:50–10:10	<b>Adrian Hillier</b>	ISIS Neutron and Muon, UK	<i>Superconductivity from the first ISIS spectrometer to Super-MuSR</i>
10:10–10:30	<b>Giacomo Ghiringhelli</b>	Politecnico di Milano, Italy	<i>Antiferromagnetic order of CaCuO<sub>2</sub> studied by neutrons, muons and x-rays</i>
10:30–11:00	Coffee Break		
Chairs: G. Allodi, S. Sanna			
11:00–11:20	<b>Josè Lorenzana</b>	CNR, Rome, Italy	<i>Dynamic Rashba mechanism of superconductivity in incipient ferroelectrics</i>
11:20–11:40	<b>Giulia Serrano</b>	University of Florence, Italy	<i>Probing the interaction between Single Molecule Magnets and Superconductors by Synchrotron Radiation and Muon Spectroscopy</i>
11:40–12:00	<b>Marina Putti</b>	University of Genoa, Italy	<i>Sensing the vortex state of a vdW type-II superconductor by Fe-based Single Molecule Magnets</i>
12:00–12:20	<b>Ruggero Vaglio</b>	University of Naples, Italy	<i>Current redistribution effects in superconductors</i>
12:20–13:00	Concluding remarks		
13:00	Conclusion		