

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		
<i>Chairs: S. Carretta, M. Solzi</i>			
15:00–15:30	Roberto De Renzi	University of Parma, Italy	<i>Quantum magnetism and superconductivity from the INPS viewpoint</i>
15:30–16:00	Stephen Blundell	University of Oxford, UK	<i>Spin eccolo: quantum coherence and the muon</i>
16:00–16:30	Bernd Büchner	IFW Dresden, Germany	<i>Topological superconductivity in PtBi₂</i>
16:30–16:50	Coffee Break		
<i>Chairs: M. Riccò, P. Santini</i>			
16:50–17:20	Vesna Mitrović	Brown University, USA	<i>Probing Ground State Wavefunction Evolution through Magnetic Phase Transition in Layered van der Waals Material</i>
17:20–17:50	Pietro Carretta	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	Roberto Caciuffo	Italy	<i>XMCD and RIXS studies probing ground and excited states in the metallic ferromagnet AmFe₂</i>
18:10–18:30	Renato Gonnelli	Politecnico di Torino, Italy	<i>Multi-gap nature of superconductivity in gate-driven hydrogen intercalated IT-TiSe₂</i>
20:00	Dinner	<i>I Tri Siochett - Ristorante Trattoria, Strada Comunale Farnese, 74/A, 43125 Parma PR</i>	

9 January

Time	Speaker / Event	Affiliation	Title
<i>Chairs: P. Bonfà, M. Ghidini</i>			
09:30–09:50	Hubertus Lütkens	Paul Scherrer Institute, Switzerland	<i>Magnetic and charge density wave order in La₃Ni₂O₇, La₂PrNi₂O₇, and La₄Ni₃O₁₀ as a function of pressure and oxygen-isotope substitution</i>
09:50–10:10	Adrian Hillier	ISIS Neutron and Muon, UK	<i>Superconductivity from the first ISIS spectrometer to Super-MuSR</i>
10:10–10:30	Giacomo Ghiringhelli	Politecnico di Milano, Italy	<i>Antiferromagnetic order of CaCuO₂ studied by neutrons, muons and x-rays</i>
10:30–11:00	Coffee Break		
<i>Chairs: G. Alloodi, S. Sanna</i>			
11:00–11:20	Josè Lorenzana	CNR, Rome, Italy	<i>Dynamic Rashba mechanism of superconductivity in incipient ferroelectrics</i>
11:20–11:40	Giulia Serrano	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	Marina Putti	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	Ruggero Vaglio	University of Naples, Italy	<i>Current redistribution effects in superconductors</i>
12:20–13:00	Concluding remarks		
13:00	Conclusion		