

Thursday June 5, 2025			
12.45 – 14.00		Registrations	
14.15 – 14.45		Opening Remarks and Institutional Greetings	
14.45 – 16.00	14.45 – 15.00	First Scientific Session Chair: Valentina Tozzini O1.01 Giorgia Brancolini - Multiscale Computation for Biointerfaces: Advancing Biosensors & Nanomedicine in One Health	Parallel Session Research support staff
	15.00 – 15.15	O1.02 Francesco Giazotto - Coherent caloritronics, energy management, and power generation in superconducting quantum circuits	
	15.15 – 15.30	O1.03 Daniele Varsano - Exploring Electronic Screening and Exciton Insulator Phases in 2D Materials	
	15.30 – 15.45	O1.04 Giovanni Bertoni - First demonstration of angular-momentum-resolved electron energy-loss spectroscopy	
	15.45 – 16.00	O1.05 Leonardo Viti - Fast THz frequency photodetectors and applications in quantum communication	
16.00 – 16.30		Coffee break	
16.30 – 17.45	16.30 – 16.45	Second Scientific Session Chair: Vincenzo Grillo O1.06 Marco Cecchini - Ultra-High-Frequency Surface Acoustic Waves for Advanced Microfluidics and Biosensing	Parallel Session Research support staff
	16.45 – 17.00	O1.07 Eleonora Spurio - Photoexcitation of Cerium Oxide via Ultrafast X-ray Spectroscopy	
	17.00 – 17.15	O1.08 Michele Campisi - Advancing Quantum Computing with Quantum Thermodynamics (and vice-versa)	
	17.15 – 17.30	O1.09 Simone Zanotto - Optomechanical Metasurfaces	
	17.30 – 17.45	O1.10 Alberto Ghirri - Coherent coupling between magnons and microwave photons in planar magnet/superconductor hybrid systems	
17.45 – 19.00		First Poster Session	
19.30 – 20.30		Orchestra Concert by OrchestrAcademy AYSO @Arena Spazio Culturale (Viale A. Tassoni 8, 41121)	
20.30		Social Dinner @Arena Spazio Culturale	

Friday June 6, 2025			
08.45		Welcome	
09.00 – 10.30	09.00 – 09.15	Third Scientific Session Chair: Fabio Taddei O2.01 Stefano Pittalis - Density functional theory of magnetism	Parallel Session Research support staff
	09.15 – 09.30	O2.02 Stefania Benedetti - Structure, electronic and plasmonic properties of amorphous transparent conducting oxide films for plasmonics in the mid-IR	
	09.30 – 09.45	O2.03 Ambra Del Grosso - Innovative Polymeric Nanosystems for Drug Delivery Across the Blood-Brain Barrier	
	09.45 – 10.00	O2.04 Andrea Composeo - Light-based additive manufacturing for the management of complex fluids	
	10.00 – 10.15	O2.05 Claudio Puglia - Bridging the Gap: translating Quantum Research into commercial innovation	
	10.15 – 10.30	O2.06 Carlo Andrea Rozzi - Ultrafast Electron Dynamics in molecules, crystals, interfaces	
10.30 – 11.00		Coffee break	
11.00 – 12.30	11.00 – 11.15	Fourth Scientific Session Chair: Stefano Veronesi O2.07 Sergio Pezzini - On-demand Hamiltonians in twisted graphene devices	Parallel Session Research support staff
	11.15 – 11.30	O2.08 Alessandra Di Gaspere - Terahertz non-linear optics in van der Waals metamaterials: a bridge in the 24-60 um gap	
	11.30 – 11.45	O2.09 Andrea Secchi - Hole-spin qubits in germanium beyond the single-particle regime	
	11.45 – 12.00	O2.10 Federica Bianco - Electron particles to control electron waves in graphene systems	
	12.00 – 12.15	O2.11 Francesca Matino - Polymeric Piezoelectrics for Energy Harvesting Applications	
	12.15 – 12.30	O2.12 Luca Scaccini - Nano and microengineered chitosan-based scaffolds as a tuneable approach for peripheral nerve regeneration applications	
12.30 – 13.30		Lunch	
13.30 – 14.45		Second Poster Session	
14.45 – 16.15		Afternoon session on possible interactions for the future	
16.15 – 16.30		Wrap-up and Closing remarks	