

INTERNATIONAL WORKSHOP ON MICROWAVE RESEARCH AND APPLICATIONS

June 28 – July 3, 2026 | Hotel Estival Maramar, Coma-ruga, Tarragona (Spain)

TIME	Sunday June 28 th	Monday June 29 th	Tuesday June 30 th	Wednesday July 1 st	Thursday July 2 nd	Friday July 3 rd
09:30 – 10:10		José María de Teresa <i>Applications of Focused Electron and Ion Beams for Nanofabrication</i>	Eugene Chudnovsky <i>Macroscopic Quantum Tunneling in Magnets and Superconductors (The Legacy of Tony Leggett)</i>	Ping Sheng <i>Using Electrical Dipole Resonance to Generate Broad-Band Microwave Absorption</i>	David Citrin <i>Terahertz Imaging of Art and Archaeology</i>	Luis Viña <i>Color centers in hexagonal boron nitride as quantum light sources at room temperature</i>
10:10 – 10:40		Xavier Obradors <i>Forty years of HTS: the long and winding road to high current conductors</i>	Gloria Platero <i>Quantum information transfer through atomic arrays</i>	Pablo Cerrato Serrano <i>Enhanced Magnon Damping via Acoustic Fabry-Pérot Resonances in YIG/GGG Bilayers</i>	Hiro Nakamura <i>THz photostriction in van der Waals multilayers</i>	Enrique del Barco <i>Adiabatic Spintronics with Topological Magnetic Insulators</i>
10:40 – 11:00		COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK
11:00 – 11:30		Quim Badosa Felip <i>Surface Acoustic Waves assisted manipulation of spin and orbital currents in ferromagnetic/light-metal bilayers</i>	Nicolas Zapata <i>Quantum Information Processing with Superconducting Microwave Electronics</i>	POSTER SESSION <i>(Extended coffee break)</i>	Salvador Barraza Lopez <i>Tunable terahertz opto-mechanics of MoS₂ bilayers with homogeneous in-plane strain</i>	Irfan Siddiqi <i>Simulating New Phases of Quantum Matter with Superconducting Qubits</i>
11:30 – 12:00		Oleksandr Malyuskin <i>Subwavelength Microwave and MM-Wave Resonators as a Platform for Next-Generation Multifunctional Sensors</i>	Eran Ginossar <i>Symmetry-protected states of interacting qubits in superconducting quantum circuits</i>	Vladimir Kostishin <i>The Effect of Sintering Modes on Electromagnetic and Radio-Absorbing Properties of Polycrystalline Ferrite $Li_{0.5}Fe_{1.5}Si_{1.5}Ti_{0.5}Zn_{0.5}M$</i>	Viktor Rindert <i>High Frequency Magnetic Resonance using Terahertz Generalized Spectroscopic Ellipsometry</i>	Anna Castellví i Picanyol <i>Non-Resonant Magnetoacoustic Waves Imaged by Stroboscopic MOKE</i>
12:00 – 12:30		Kai-Da Xu <i>A Waveguide Bandpass Filter Using Periodic Cylindrical Cavities and Double Ridges in D-Band</i>	Darío González <i>Towards single spin magnetic spectroscopy with superconducting quantum circuits</i>	Jaume Calvo de la Rosa <i>Investigating novel heterogeneous bilayer structures for broadband radar absorption</i>	Yan Sun <i>Temperature-Dependent Terahertz Electrodynamics and Coupled Excitonic-Lattice Modes in Ta₂NiSe₆</i>	Pol Forn-Díaz <i>Tony Leggett's influence on superconducting qubits: Coherent Quantum Dynamics and Macroscopic Realism</i>
12:30 – 16:00		LUNCH	LUNCH	LUNCH	LUNCH	CLOSING REMARKS
16:00 – 16:40		Fernando Sols <i>Remembering Tony Leggett</i>	Alberto Amo <i>Lattice quantum electrodynamics with molecular emitters in microcavities</i>	Dmitry Garanin <i>Skyrmion Cyclotron Resonance in Ferrimagnets</i>	Vincent Harris <i>Impedance-Engineered Magnetodielectrics: A New Paradigm in RF Materials Impedance Matching to Free Space</i>	
16:40 – 17:10		Joan Manel Hernández <i>Macroscopic Quantum Phenomena in Magnetism: Experimental Developments Inspired by Leggett and Chudnovsky</i>	Álvaro Gómez León <i>Topological properties of discrete step quantum walks</i>	Fernando Luis <i>Circuit quantum electrodynamics near spin clock transitions</i>	Vladimir Kostishin <i>Magnetic Polymer Radio-Absorbing Composites with Polycrystalline Ferrite (MnZnCoFe)₂Fe₂O₄ filler</i>	
17:10 – 17:30		COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	
17:30 – 18:00		Milena Grifoni <i>Spin-boson models under strong ac-driving</i>	Alexandre Buzdin <i>Circularly Polarized Terahertz Radiation as a Mechanism for the Control and Manipulation of Quantum States in Superconducting Ring</i>	Iran Bahena <i>An Equivalent Circuit Approach for Characterizing Magnetodielectric Composites with Microwave Resonant Sensors</i>	Marc Vazquez-Aige <i>Free-space EM characterization measurements with temperature control and machine learning implementation</i>	
18:00 – 18:30		Stefano Bosco <i>Quantum computing with magnetic systems</i>	Fernando Sols <i>Hawking time crystals</i>	David Citrin <i>Terahertz Nondestructive Evaluation of Advanced Microelectronics Packaging</i>	Pilar Marin <i>Wireless Multi-Parametric Sensing of Hydrogel Scaffolds via Giant Magnetoimpedance in Amorphous Magnetic Microwires</i>	
18:30 – 19:00		Kirill Fedorov <i>Sharing secrets in superconducting quantum networks</i>		Dario Arena <i>Spin Dynamics in Ferrimagnetic Insulators Across Time & Length Scales</i>	Fernando Domínguez Tijero <i>Quantum Hall edge mediated supercurrent</i>	

19:30
Welcome Party
at Hotel Estival Maramar

20:30
Conference Dinner
at Cara el Mar restaurant

