



Monday October 05, 2026

08:00-08:45	Registration
08:45-09:00	Opening Ceremony
09:00-09:40 KEYNOTE	Luis Echegoyen (ICIQ, Spain) Fullerene Cages to Stabilize Actinides Inside and for Electrocatalytic and Photovoltaic Applications
09:40-10:20 KEYNOTE	Jordi Arbiol (ICREA & ICN2, Spain) Automated Atomic Scale STEM Data Analysis and Modelling for Energy Materials
10:20-10:35 ORAL	Cristina V. Manzano (Instituto de Micro y Nanotecnología (IMN-CSIC), Spain) All-day Passive Radiative Cooling Performance of 1D- and 3D-Anodic Aluminium Oxide
10:35-11:30	Coffee Break / Poster Session
11:30-12:00 INVITED	Víctor Manuel de la Prida Pidal (Universidad de Oviedo, Spain) Novel nanostructured materials for multifunctional magnetic applications
12:00-12:15 ORAL	Linlin An (Hefei University of Technology, China) Resistivity plateau and large magnetoresistance in topological semimetal SrAs ₃
12:15-12:45 INVITED	Manuel Marques (UAM, Spain) Electrostatic Repulsion as a Governing Mechanism in Near- and Far-Field Optical Binding of Gold Nanoparticles
12:45-14:00	Cocktail Lunch (offered by the organisers)
14:00-14:30	Poster Session I
14:30-14:45 ORAL	Nicolas Pazos Perez (Universitat Rovira i Virgili, Spain) Plasmonic Nanostars: Engineering Optical Tunability for Enhanced Efficiency
14:45-15:00 ORAL	Elisabet Xifre Perez (Universitat Rovira i Virgili, Spain) Tailored plasmonic nanostructured surfaces for highly sensitive SERS detection
15:00-15:15 ORAL	Nimra Ghulam Ali (Universitat Rovira i Virgili, Spain) Nanoconcavity engineered plasmonic platforms for SERS detection
15:15-15:55 KEYNOTE	Luis Liz-Marzán (CIC biomaGUNE, Spain) Colloids and Assemblies of Chiral Plasmonic Nanorods
15:55-16:45	Coffee Break / Poster Session
16:45-17:25 KEYNOTE	Adrian Bachtold (ICFO, Spain) The quantum nonlinear dance between electrons, phonons, and photons in suspended carbon nanotubes
17:25-17:55 INVITED	Sara Núñez Sánchez (ICMM-CSIC, Spain) Nanophotonics with Organic Excitonic Materials
17:55-18:10 ORAL	Peifeng Fan (Anhui University, China) Metafields enabling one-way preferential transport of charged particles

Tuesday October 06, 2026

09:00-09:40 KEYNOTE	Aran Garcia-Lekue (DIPC, Spain) Tailoring Electronic and Optical Functionality in Carbon Nanoarchitectures
09:40-10:10 INVITED	Sonia Conesa Boj (TU Delft, The Netherlands) Mapping Hidden Moiré Fields
10:10-10:25 ORAL	Gunther Van Kerckhove (OCSiAl Europe Sarl, Luxembourg) Real-World Safety Requires Real-World Evidence: A Lifecycle Exposure Monitoring Approach for Single-Wall Carbon Nanotubes
10:25-11:00	Coffee Break / Poster Session
11:00-11:30 INVITED	Cesar Moreno Sierra (Universidad de Cantabria, Spain) The Architecture of Empty Space: Pore and Backbone Effects in Atomically Precise Graphene
11:30-12:00 INVITED	María José Esplandiu (ICN2, Spain) Tailoring TMD Nanoplateforms for Advanced Photocatalytic Applications
12:00-12:40 KEYNOTE	Stephan Roche (ICREA / ICN2, Spain) Artificial Intelligence enabling innovative advanced materials design & engineering
12:40-14:30	Lunch
14:30-15:10 KEYNOTE	José Ignacio Pascual (CIC nanoGUNE, Spain) Magnetic nanographenes on superconductors reveal a plethora of electronic and spin correlations
15:10-15:40 INVITED	Artur Pinto (University of Porto, Portugal) New Graphene-Based and 2D Nanomaterial Systems for Cancer Therapy and Regenerative Applications
15:40-16:20 KEYNOTE	Daniel Sanchez Portal (DIPC / CSIC-UPV/EHU, Spain) Modifying the electronic structure and topology of graphene nanoribbons with chemical functionalization and strain
16:20-16:35 ORAL	Olga Stasyuk (Instituto de Nanociencia y Materiales de Aragón (INMA), CSIC-Universidad de Zaragoza, Spain) Computational design of photoactive carbon nanorings
20:30	Conference Dinner

Wednesday October 07, 2026

09:00-09:15 ORAL	Viktoriia Korniienko (University of Latvia, Latvia) Comparative Antibody-Targeted Ti3C2Tx MXene Platform for Selective Photothermal Eradication of Gram-Positive and Gram-Negative Bacterial Biofilms
09:15-09:45 INVITED	Mato Knez (CIC nanoGUNE, Spain) From Bioinspiration to Functional Materials: Engineering through Atomic Layer Processing
09:45-10:25 KEYNOTE	Shahzada Ahmad (University of Barcelona, Spain) Unleashing Light-Matter Interaction in Halide Perovskites for Device Application
10:25-11:00	Coffee Break / Poster Session
11:00-11:40 KEYNOTE	Nicolas Voelcker (Monash University, Australia) Wearable Biosensors Based on Porous Microneedle Arrays
11:40-12:20 KEYNOTE	Krasimir Vasilev (Flinders University, Australia) Nanoengineered Materials and Coatings for Medicine and Beyond
12:20-13:00 KEYNOTE	Michael J. Sailor (UC San Diego / MRSEC, USA) Mesoporous Silicon in Degradable Drug Delivery Systems
13:00-13:40 KEYNOTE	Anton Ficaí (National University of Science and Technology POLITEHNICA Bucharest, Romania) Smart Responsive Nerve Grafts by Chemical Design
13:40-14:45	Lunch
14:45-15:25 KEYNOTE	Xavier Waintal (PHELIQS, INAC / CEA Grenoble, France) How to obtain Coulomb diamonds and Kondo ridges in a quantum dot simulation
15:25-16:05 KEYNOTE	Silvano de Franceschi (CEA, France) Hole spin qubits for quantum computing
16:05-16:35	Poster Session II
16:35-17:05	Coffee Break / Poster Session
17:05-17:45 KEYNOTE	Pablo Ordejón (ICN2, Spain) Atomistic simulations of the electrified interface from DFT, hybrid QM/MM and ML approaches
17:45-18:25 KEYNOTE	Felipe Gándara (ICMM-CSIC, Spain) Metal-organic frameworks incorporating multiple metal elements: Strategies to Enhance Chemical and Structural Complexity

Thursday October 08, 2026

09:00-09:15 ORAL	Jeton Halili (University of Pristina, Albania) Surface Interactions and Adsorption Mechanisms of Pb ²⁺ on a Natural Clay-Rich Mineral: A Combined Experimental and DFT Study
09:15-09:30 ORAL	Aicha Ibri (Institute of Materials Science of Barcelona (ICMAB-CSIC), Spain) Engineering Lanthanum-Based Perovskite Nanomaterials for Efficient Water Remediation
09:30-09:45 ORAL	Jordi Fraxedas (Catalan Institute of Nanoscience and Nanotechnology (ICN2), Spain) Purifying drinking water with Nafion thin films: a photoemission study
09:45-10:00 ORAL	Alberto Aguiar Mendonça (State University of Campinas, Brazil) Magnetic Behavior and Cryogenic Magnetocaloric Cooling in Ni-Co-Ga Heusler Alloy Nanowire Arrays
10:00-10:15 ORAL	Marc Clua (Universitat Rovira i Virgili, Spain) Semi-open electrochemical cells: From Sweat Lactate to Exhaled Breath Condensate
10:15-10:45 INVITED	Josep Ferre-Borrull (URV, Spain) Nanoporous Anodic Alumina for Optical Interference-based Biosensing and Energy Storage Applications
10:45-11:15	Coffee Break
11:15-11:45 INVITED	Filippo Giubileo (CNR-SPIN, Italy) From Defects to Nanostructure Design: Tailoring Field Emission at the Nanoscale
11:45-12:00 ORAL	Raul Zazpe (University of Pardubice, Czech Republic) ALD Synthesis of Elemental Red Phosphorus
12:00-12:30 INVITED	Vicente Torres-Costa (Universidad Autónoma de Madrid, Spain) Hierarchical nanomaterials by oblique-angle deposition. A bottom-up approach to nanostructures
12:30-13:00 INVITED	Ana Sánchez-Grande (Universidad Complutense de Madrid, Spain) The role of organic radical intermediates in on-surface synthesis
13:00-13:40 KEYNOTE	Miguel A. Cambor (ICMM-CSIC, Spain) Zeolite Discovery: Direct Hydrothermal Synthesis and Beyond
13:40	Closing