

PROGRAM	
8:30-9:00	Registration at ICMM hall
9:00-9:05	Welcome (Eva. M Maya)
9:05-9:30	Research at ICMM (Jesus Ricote)



DAY I (April 28th)

 Materials for Health		
9:30-9:50	Dra. Yilian Fernández Afonso	Personal trajectory and current vision
9:50-10:50 (12`+3` questions)	OP1 Rosalía López Mendez	Nanothermometric temperature measurement and cellular-level thermal effects in plasmonic photothermal therapy
	OP2 Maria Rapp Diez de la Cortina	Influence of synthesis conditions in the design of brought up-conversion and NIR emission of lanthanide-doped yttrium orthovanadate samples
	OP3 Judith González Lavín	Functionalized Transition Metal Aerogels: A New Frontier in Biomarker Detection
	OP4 Raul Magro	Synthesis and advanced characterization of Pt nanoparticles for cancer treatment
10:50-11:30	Coffee Break and Poster Session	
 Materials for a Sustainable World		
11:30-11:50	Dra. Amparo Ruiz Carretero	Personal trajectory and current vision
11:50-13:50 (12`+3` questions)	OP5 Maxime Sauvan	Femto-microsecond Electron transfer and Intermediates in Al/Fe CO2 Photoreduction systems through Optical and X-ray spectroscopy.
	OP6 Nahuel Nuñez	Copper-Iron Oxide Nanocatalysts for High-Temperature Reactions and Industrial Wastewater Treatment
	OP7 Brais González Tobío	Roll to roll mechanical Isolation and thickness-dependent identification of β-Antimonene
	OP8 Maria Dolores de Dios Caputto	Hydroponic polyurethane foams from recycled PET waste
	OP9 Cristina García Torrejón	Influence of the current collector on Na all solid-state anode-free batteries
	OP10 Lourdes del Álamo	Developing Supramolecular Materials with Paramagnetic Properties
	OP11 Angela Matarín Serrano	A comparative study of metal organic conjugated porous polymers based on transition metals as photocatalysts for CO2 reduction
	OP12 Elena Sánchez Ahijón	Pure Si NWs anode for solid-state lithium-ion batteries: understanding its failure mechanisms
13:50-15:15	Lunch time	

  Materials for Digital Information		
15:15-15:35	Dr. Jose Angel Fernández Roldan	<i>Personal trajectory and current vision</i>
15:35-17:35 (12' + 3' questions)	OP13 Alejandro Álvarez-Chico	Growth and characterization of synthetic ferrimagnetic epitaxial ultrathin films
	OP14 Aude Rodriguez	Ultrafast and topological chiral sensing with vector beams
	OP15 Esteban Zamora Amo	Roll-to-roll Exfoliation of Anisotropic Films of 2D Materials
	OP16 Diego Enrique Gomez Ribeiro	Spinwave modes in synthetic antiferromagnetic nanodots
	OP17 Yogendra Kumar	Domain wall dynamics in curved magnetic nanostructures
	OP18 Estrella Sánchez Viso	Thin film ferromagnets, superconductors, and their heterostructures
	OP19 Miguel Sánchez	Nonflat bands and magic angle renormalization in twisted bilayer graphene
	OP20 Sergio Jiménez Fernández	On surface synthesis of an organic polymer incorporating a non-benzenoid core
17:35-18:30	Poster Session	

DAY II (April 29th)		
9:00-9:05	Welcome (Eva. M Maya)	
9:05-9:30	Dr. Unai Atxitia	Programa de mentorización
      Materials for Health Dra. Yilian Fernández for a Sustainable World Dra. Amparo Carretero for Digital Information Dr. Jose Angel Fernández		
9:30-10:15 (12' + 3' questions)	OP21 Pedro Luis	Cannabidiol-Loaded PLGA Nanoparticles by Microfluidics for Enhanced Tissue
	OP22 Jaime Bueno	Optical Modelling of Plasmonically Enhanced Perovskite LEDs
	OP23 Victor Villalobos	Thermal vs Light Molecular Activation on Three Different Surfaces
10:15-11:00	Coffee Break and Poster Session	
11:00-11:30 (12' + 3' questions)	OP24 Juan Vicente Vidal Martínez-Pons	Quantum interference of a single photon emitted by a solid-state
	OP25 Yigit Sozen	Roll-to-roll Mechanical Exfoliation: Production of van der Waals Nanosheet Films and Key Applications

FLASH PRESENTATION		
11:30-12:15 (3`no questions)	OF1 Michail Vlachos	Multiscale Computational Insights into the PFOA Adsorption by MOF-808 and Fe-MOF-808
	OF2 Nicolò Galizia	Highly Ordered Sexithiophene Crystal Growth on MoS ₂
	OF3 Pablo Estévez Alonso	Geometric and electronic signatures of a conical intersection in the 3-fluoropyridine
	OF4 Adrian Sáez	Upgrade of a variable temperature scanning tunneling microscope for nanometer-scale spectromicroscopy
	OF5 Victor Durán-Egido	Easily water-synthesizable iron-chloranilate frameworks as high energy-power cathodes for sustainable alkali-ion batteries
	OF6 Jazmin Melissa Mayta Milla	Halide-based Solid-State Electrolytes: Enhancing Ionic Conductivity
	OF7 Victor Sosa	An ab initio study of the magnetic properties of W-Type strontium hexaferrite
	OF8 Juan Andrés Nieto Simón	Development of Hollandite-Type Structure Vanadium/Titanium Oxides as Electrode Materials in Rechargeable Potassium-Ion Batteries
	OF9 Felipe Lozano Steinmetz	Mechanics of nanowire networks
	OF10 Borja Luis Sanchez Redondo	Achieving the first flexible and semitransparent Photovoltaic Devices via Solution-Processed MoS ₂
	OF11 Pablo Martinez Outomuro	Anomalous Nernst Effect on Magnetic Multilayers with Flexible Substrate
	OF12 Guillermo Vergara	Synthesis, design and development of piezoelectric nanogenerators for 3D printing
	OF13 Pablo Vaquer de Nieves	Tomography experiments of strong light matter coupling in monolithic cavities at room temperature
	OF14 Roberto Carlos Guerrero Romero	Random Lasers with Transition Metal Dichalcogenides
12:15-13:15	ROUND TABLE	
13:15-14:00	Beers and Awards	