



AMatS

1st Conference on
Advanced Materials
in Spain

PLAN COMPLEMENTARIO

**MATERIALES
AVANZADOS**

Program

**November 7th to 9th 2022
Gandia (Valencia, Spain)**

program

Monday 7th

8:30	Registration		
9:00	Eugenio Coronado	National / Com. Valenciana (CV)	
9:30	Nazario Martín	Comunidad Madrid (CM)	
9:45	Conrado Rillo	Aragón (AR)	
10:00	Jordi Arbiol	Cataluña (CAT)	Program presentation by the scientific coordinators
10:15	Ricardo Díez	Pais Vasco (PV)	
10:30	Miguel Angel Rodriguez	Castilla y León (CL)	
10:45	Ester Vazquez	Castilla-La Mancha (CLM)	
11:00	Coffee break		
11:30	Claudia Backes	Physical Chemistry of Nanomaterials, University of Kassel (Germany)	Liquid phase exfoliation of 2D materials
12:15	Félix Zamora Abanades	UAM (CM)	In the wake of graphene: monoelemental 2D materials
12:35	Alicia Forment Aliaga	ICMol (CV)	2D Materials at ICMol
12:55	Aran Garcia-Lekue	DIPC (PV)	Towards 2D carbon-based nanoelectronics
13:15	F. Calle and E. Antolín	UPM (CM)	2D Materials at UPM
13:35	LUNCH + free time		
16:00	Herre van der Zant	Kavli Institute of Nanoscience, TUDelft (The Netherlands)	2D magnetic membranes
16:45	Francisco Guinea López	IMDEA Nanociencia (CM)	Moiré structures in two dimensional systems
17:05	Jordi Arbiol	ICN2 (CAT)	TEM in In-CAEM
17:25	María Varela	UCM (CM)	2D materials under the electron microscope
17:45	Luis Martín Moreno	INMA (AR)	Quantum Technologies and 2D Materials
18:05	Coffee break		
18:30	General Discussion Line 1: 2D Materials	Moderator: Eugenio Coronado (ICMol)	
20:30	DINNER		

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Tuesday 8th

9:00	Antonio Abate	Helmholtz-Zentrum Berlin (Germany)	Lead-Free Perovskite Solar Cells
9:45	Juan Pascual Martinez Pastor	ICMUV (CV)	Perovskite-structured semiconductors: from photovoltaics to the latest applications
10:05	Juan Bisquert	INAM (CV)	Progress of Advanced Materials at INAM
10:25	Aitor Mugarza	ICN2 (CAT)	SPM in In-CAEM
10:45	Lucia Aballe	ALBA Synchrotron (CAT)	Interaction between In-CAEM and ALBA
11:05	<i>Coffee break</i>		
11:30	María Escudero Escribano	ICN2 (CAT)	(Electro)Catalysis within In-CAEM
11:50	Juan José Vilatela	IMDEA Materiales (CM)	Bridging length scales in nanomaterials for energy storage
12:10	Daniel Sánchez Portal	CFM (CSIC-UPV/EHU) (PV)	Materials Simulation at CFM
12:30	Martin B. Eriksen	PIC/IFAE (CAT)	AI Data analysis
12:50	Jacobo Santamaria	GFMC -UCM (CM)	Membranes of correlated oxides, a new generation of 2D materials
13:10	Klaus Attenkofer	ALBA Synchrotron (CAT)	InCAEM and ALBA II – Two sides of a coin to enable the Spanish community
13:30	<i>LUNCH + free time</i>		
16:00	Nazende Günday-Türelı	MyBiotech GmbH (Germany)	Overcoming scale-up and GMP compliance hurdle for advanced materials
16:45	Jose M. Serra	ITQ (CV)	Advanced Materials for sustainable chemistry and energy processes
17:05	Carlos Martí-Gastaldo	ICMol (CV)	Porous Molecular Frameworks for Energy and Environmental Remediation
17:25	Reyes Mallada Viana	INMA (AR)	Materials for energy and environment
17:45	Carlos Untiedt	IUMateriales (CV)	Functional materials at the IUMA of the University of Alicante
18:05	<i>Coffee break</i>		
18:30	General Discussion Line 2: Materials for Energy		Moderator: Toribio Fernández (UP) de Cartagena)
20:30	<i>DINNER</i>		

Wednesday 9th

9:00	Ramon Torrecillas	Fundación General-CSIC (Spain)	About knowledge valorization and technological sovereignty
9:45	José Luis Núñez Bruis	ITAINNOVA (AR)	Advanced Materials for Sustainable Mobility: service life extension strategies based on SHM techniques
10:05	Ane Irazustabarrena	Tecnalia (PV)	Multi-scale process-microstructure-properties-performance modelling methodology for streamlining the design of metallic materials, processes and components
10:25	M ^a Jesús Vicent	CIPF (CV)	Versatile Polymeric Nanosystems as Therapeutics
10:45	J. Martín & M.A. Rodríguez	University of Valladolid (CL)	Advanced Materials in Castilla y León region: Part 1
11:05	O. Martínez and J. García	University of Valladolid (CL)	Advanced Materials in Castilla y León region: Part 2
11:25	Jesús Martínez de la Fuente	INMA (AR)	Nanomaterials for biomedicine
11:45	<i>Coffee break</i>		
12:30	Institutional event		
13:30	<i>Institutional cocktail</i>		
14:00	<i>LUNCH + free time</i>		
16:00	Blanca Ros	INMA (AR)	Synthesis, processing and scaling of materials with advanced functionalities
16:20	Senentxu Lanceros	BCMaterials (PV)	Next generation multifunctional hybrid materials: improving digitalization and sustainability
16:40	Irene Sánchez Sánchez-Ajofrín	UCLM (CLM)	Biomaterials and assisted reproduction techniques
17:00	Ismael Payo Gutiérrez	UCLM (CLM)	Smart materials in robotics and biomechanical applications
17:20	J. M. Alegre, E. Ventosa, S. Vallejos & J.M. García	Universidad de Burgos (CL)	Advanced Materials in Castilla y León region: Part 3
17:40	Carlos Anton Solanas	IFIMAC - UAM (CM)	2D materials for polaritonics and quantum optical devices
18:00	<i>Coffee break</i>		
18:30	General Discussion Line 3: Smart Materials		Moderator: Toribio Fernández (UP) de Cartagena)
20:30	<i>DINNER</i>		

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