

4th Workshop of Senior Researchers

4 May

9:00	OPENING David Serrano	
9:30	Thermochemical Processes Unit Patricia Pizarro	
10:00	High Temperature Processes Unit José González-Aguilar	
10:30	RESEARCH UNITS Session 1	Electrochemical Processes Unit Jesús Palma
11:00		Biotechnological Processes Unit Cristina González (● Online)
11:30	Coffee Break	
12:00	System Analysis Unit Javier Dufour	
12:30	Electrical Systems Unit Milan Prodanovic	
13:00	RESEARCH UNITS Session 2	Photoactivated Processes Unit Victor A. de la Peña O'Shea
13:30		Advanced Porous Materials Unit Patricia Horcajada
14:00	Lunch Time	
15:00	Hybrid Organic-Inorganic Materials for Photocatalytic Applications Yolanda P. Cortés	
15:20	SENIORS Session 3	Worker hours and current social conditions: lessons learned from the evaluation of social life-cycle indicators of energy-related systems Diego Iribarren
15:40		How to make CPPs&COFs based thin films and why it is important? Marta Liras
16:00	Redox-active Organic Materials for More Sustainable Batteries Rebeca Marcilla	
16:20	Break	
16:50	Dual-band nanocrystal-based smart windows: from design to applicability through full performance unraveling Mariam Barawi	
17:10	SENIOR ASSISTANT Session 1	"I see a lot of potential here" - An integrated approach between work philosophy and electrochemistry Julio J Lado
17:30		Chronoamperometry as an advanced battery evaluation method Sergio Pinilla

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9:00	Two novel Pd thiosemicarbazone complexes as efficient and selective antitumoral drugs Tania Hidalgo (● Online)	
9:20	The role of grid-forming converters in future power systems Javier Roldán	
9:40	SENIOR ASSISTANT Session 2	Two better than one! Helping electrons to meet CO ₂ Laura Collado
10:00		Life cycle thinking in Decarbonization and CCUS José Luis Gálvez
10:20	Changing the sugar-based platform by the carboxylates-based platform when targeting at microbial oils production: lessons learnt Elia Tomas	
10:40	Why Li-ion Batteries Lose Their Capacity Enrique García-Quismondo	
11:00	Coffee Break	
11:30	Tuning the electrochemical properties of organic molecules: Electronic versus Sterical effects. Insights from computational modelling Andreas Mavrantanakis	
11:50	Valorization of digestate and stillage residues through biotechnological and thermochemical technologies Inés Moreno	
12:10	SENIOR ASSISTANT Session 3	X-ray spectroscopy of energy materials Freddy E. Oropeza
12:30		Polymer electrodes and electrolytes for sustainable batteries: Latest developments Nagaraj Patil
12:50	De-NOx urban air by renewable activated carbons Javier Feroso	
13:10	MOF composite for fuel cell and antimicrobial applications Catalina Biglione	
13:30	Lunch Time	



The workshop will be held in person at the IMDEA Energy auditorium.