



European Materials Research Society

2025 Spring Meeting

May 26 – 30 | Strasbourg Convention Centre

[View symposium details](#)

SYMPOSIUM V

2nd Joint Forum on Sustainable Materials: Driving Industrial Transformation Through Academic Innovation

Oral sessions : LEICESTER – FIRST FLOOR

Poster sessions : ETOILE – FIRST FLOOR

Symposium Organizers:

Daniel SALAZAR JARAMILLO (Main organizer), Basque Center for Materials, Applications and Nanostructures, BCMaterials, Spain

Jesus Antonio DEL RIO PORTILLA, Universidad Nacional Autónoma de México, Instituto de Energías Renovables, Mexico

Juan Ramón MORANTE, IREC Catalonia Institute for Energy Research and University of Barcelona, Spain

Sergio Javier MEJIA, Universidad Autónoma de Nuevo Leon, Mexico

www.european-mrs.com

Wednesday May 28

V10 Circular Economy and Materials Recycling for Sustainable Growth 1

Chairperson(s): MORANTE Joan ramon

SALAZAR Daniel

[View session abstracts](#)

10:30	2983	Engineering Materials: Towards Sustainable Environmental Applications HAZRA Moulika (Invited)
11:00	2706	Green Metrics Evaluation of Biocatalytic Furfuryl Fatty Acid Esters Technology WOLNY Anna
11:15	2094	The Concept of Sustainable Materials Based Auxetic Morphing Airfoil for Aerospace Industry Özdi I Daricio lu Merve
11:30	967	Graphene: from Galilei to new blue economy AGOSTO Marco Antonio

Wednesday May 28

V11 Circular Economy and Materials Recycling for Sustainable Growth 2

Chairperson(s): ANTONIO Del rio portilla

[View session abstracts](#)

14:15	2615	Titanium Upcycling Enabled by Ultrasonic Atomization and Powder2Powder Technology MORONCZYK Bartosz
14:30	3105	Enhancing the Mechanical Performance of Recycled Aggregate Concrete through Hybrid Treatment Approaches SINGH Abhishek
14:45	88	Expanded glass production from recycled sources COZZARINI Luca

Wednesday May 28

VPO3 Poster Session

Chairperson(s): SERGIO Mejia

[View session abstracts](#)

15:00	01_1041	Stress Corrosion Cracking Behavior and Mechanism of High Strength Aluminum Alloy in Simulated Marine Environment JIA Xuejiao
-------	---------	--

15:00	02_1044	Two-Dimensional Materials Directly Loading Corrosion Inhibitors for Active Protective Performance of Organic Coatings XIAO Jian
15:00	03_2661	Effects of heat treatment process on the hydrogen embrittlement susceptibility of a Cr-Mo-V steel ZHOU Hong-Yu
15:00	04_532	Enhanced Corrosion Resistance of Aluminum Matrix Composites reinforced with TiC via Spark Plasma Sintering LI Xinyu
15:00	05_957	Heteroatom Incorporation and MTMS Modification for Improved Heat and Corrosion Resistance of Organic Silicone Coatings ZHANG Chuangchuang

Thursday May 29

V12 Bridging Academic Research and Industrial Needs for a Sustainable Future

Chairperson(s): SERGIO Mejia

[View session abstracts](#)

08:30	3210	EIC engagement with the European Sustainable Electronics Ecosystems Obieta Vilallonga Isabel (Invited)
09:00	2962	Leveraging Advanced Materials Innovation to Reduce Critical Raw Material Dependencies in Strategic Sectors COELHO Fernando