

25 November 2024 | 📍 Venue: IMDEA Energy Institute, Av. Ramón de La Sagra, 3, 28935 Móstoles, Madrid

Congress – School FOTOFUEL about sustainable fuels

Start	End	Title
09:30	09:45	Welcome (Víctor de la Peña O'Shea (IMDEA Energía / FOTOFUEL))
09:45	10:30	Plenary talk: James Durrant (ICL, UK-SCN) - Charge separation and stabilisation in photocatalyst materials for solar driven water splitting
10:30	10:50	Gerardo Colon (Instituto de Ciencia de Materiales de Sevilla, CSIC) - Thermal Assisted Photocatalysis for Energy Applications: H ₂ Production and CO ₂ Valorisation
10:50	11:10	Sebastian Sprick (University of Strathclyde) - Conjugated polymers for solar fuels generation
11:10	11:30	Ángel Morales (Universidad de Barcelona) - Hydrated Small TiO ₂ Nanoclusters: Implications in the Nonradiative Recombination
11:30	11:50	Coffee Break
11:50	12:10	Víctor de la Peña O'Shea (IMDEA Energía) - New challenges in the development of multifunctional materials for solar chemistry
12:10	12:30	Sam Cobb (University of Manchester) - Combining experiment, modelling and enzymes to understand complex (photo)electrochemical systems
12:30	12:50	José Ángel Martín Gago (Instituto de Ciencia de Materiales de Madrid, CSIC) - Use of nanoparticles prepared in vacuum for enhancing photocathode performance
12:50	13:10	Salvador Eslava (Imperial College London) - Interface engineering of photoelectrochemical and photocatalytic materials for solar fuels
13:10	13:30	Juan Coronado (Instituto de Catálisis y Petroleoquímica, CSIC) - Modulating the Selectivity of the Photothermal Hydrogenation of CO ₂
13:30	14:30	Lunch
14:30	15:00	Bill Tumas (NREL) - The renewable energy-chemistry nexus: challenges and opportunities
15:00	15:20	Alba Ruiz (Plataforma Solar de Almería) - Hydrogen production by photoreforming of glycerol
15:20	15:40	Mojtaba Abdi-Jalebi (University College London) - Next-Generation Electrochemical System for Sustainable CO ₂ Capture and Conversion to Clean Solar Fuels
15:40	16:00	Francisco Fabregat Santiago (Institute of Advanced Materials, UJI) - Combining modulated optoelectronic techniques for the analysis of the photoelectrocatalytic behaviour of BiVO ₄
16:00	16:20	Anna Hankin (Imperial College London) - Lessons from solar water splitting prototype field tests
16:20	16:40	Coffee Break
16:40	17:00	Maria José Rivero (Universidad de Cantabria) - Photocatalytic hydrogen production from sustainable resources
17:00	17:20	Charlie Creissen (Keele University) - Carbon Dioxide Electrolysis for Defossilisation of Plastic Production
17:20	17:40	Alexander Missyul (CELLS synchrotron) - Application of synchrotron-based techniques for the studies of photocatalytic materials
17:40	18:00	Alex Cowan (University of Liverpool) - Breaking scaling rules in electrocatalysis for fuels production
18:00	19:00	Optional lab visit
19:00	19:15	Summary and closing

26 November 2024 | 📍 Salón de Actos de la Consejería de la Comunidad de Madrid, Calle Alcalá 31- P1, Madrid, Spain

Spanish/Southern EU stakeholder event (*tentative agenda*)

08:30 – 09:00	Welcome Coffee & Registrations
09:00 – 09:20	Welcome (<i>Víctor de la Peña O’Shea (IMDEA Energía)</i>)
09:20 – 09:40	Presentation of the Spanish National Plan of Energy and Climate (<i>Miriam Bueno Lorenzo – Senior Advisor, Spanish Office of Climate Change</i>)
09:40 – 10:00	Net-zero Industry Act and its implementation in Spain (<i>Marcos Escudero Olano – Head of the Industrial Policy Division, Ministry of Industry, Commerce, and Tourism</i>)
10:00 – 10:30	Presentation of Mission Innovation (<i>Philippe Schild – Senior Expert, European Commission – ONLINE</i>)
10:30 – 11:00	Coffee Break
11:00 – 11:30	Catalysis Achievements and Needs for the Refinery of the Future (<i>Bert Weckhuysen – Utrecht University, SUNERGY/SUNER-C Coordinator</i>)
11:30 – 12:00	An Industrial View on the Need for Green Molecules to Achieve Decarbonization (<i>Max Fleischer – Siemens Energy</i>)
12:00 – 12:45	Opportunities for the development of solar fuels and chemicals (<i>Max Fleischer – Siemens Energy, Carlos Prieto – Moeve, Miguel Ángel Hernando – Track Técnicas Reunidas</i>)
12:45 – 13:00	Summary and Closing