Monday 13th July 2026
Congress theme:
Energy, Environment & Sustainability

Session	Timing	Presenter	Title	Topic ID
1	10:00-10:15	Athira Ravi	Supramolecular Architectures for Hydrogen Generation at Neutral pH Conditions	Electrochemistry
2	10:15-10:30	Prof. Maria Gimenez Lopez	Assembly-driven switching of a POM–carbon nanotube catalyst for acid water splitting	Electrochemistry
3	10:30-10:45	Haider Ali	Laser-Assisted Synthesis of High Entropy Oxide-based Freestanding Electrode for Electrochemical Water Splitting in Alkaline Conditions	Electrochemistry
4	10:45-11:00	Priya Mukherjee	Surface modified Nafion membrane for improved microbial fuel cell application	Electrochemistry
5	11:00-11:15	Sudip Barman	Platinum nanostructures supported on MoO_3 for electrochemical energy conversion and storage applications	Electrochemistry
6	11:15-11:30	Chiara Reviglio	Design and Performance Rationalization of Blue-Emitting Copper(I) Complexes Bearing Pyridyl-Pyrazole Ligands for Light-Emitting Electrochemical Cells	Electrochemistry
7	11:30-11:45	Jesús León García	CuO-based Ionanofluids as Advanced Working Fluids for High-Efficiency Solar Collectors	Electrochemistry
8	11:45-12:15		FLASH TALKS	
Invited lecture	14:00-14:30	**Ivan Halasz**	In Situ Reaction Monitoring, Molecular Dynamics Simulations and Machine-Learning-Augmented Data Analysis in Deciphering Mechanochemical Transformations	
3	14:30-14:45	tbd	tbd	
4	14:45-15:00	Davor Margetic	The Employment of Mechanochemistry for the Synthesis of Thioureas and Guanidines	Sustainable Synthetic Strategies
5	15:00-15:15	Peter Baláž	Advances in sulphide mechanochemistry: From metal extraction to energy materials and anticancer drugs	Sustainable Synthetic Strategies
6	15:15-15-30	Zara Cherkezova-Zheleva	Mechanochemical approach for greener and effective recycling of platinum group metals from spent automotive catalysts	Sustainable Synthetic Strategies
7	15:30-15:45	tbd	tbd	
8	15:45-16:00	Bilge Baytekin	Chemical insights into triboelectric charging of polymers and organic powders	Sustainable Synthetic Strategies
1	16:30-16:45	Yu Zhang	Regulating the Interfacial Electrochemical Behavior of Zinc Anodes for Stable Aqueous Zinc Ion Batteries	Novel Battery Chemistries
2	16:45-17:00	Reja Trippaers	Exploring Prussian blue as a safe-and-sustainable-by-design cathode material for sodium-ion batteries	Novel Battery Chemistries
3	17:00-17:15	Máté Benedek	Preparation and investigation of cross-linked polyacrylic acid-based hydrogel electrolytes in Zn–air batteries	Novel Battery Chemistries
4	17:15-17:30	Cataldo Valentini	Ambipolar donor-acceptor 2D covalent organic frameworks as cathode material for aluminum energy storage device	Novel Battery Chemistries
5	17:30-17:45	Philippe Lainé	Designing electrophoric covalent assemblies for molecular-level multielectron accumulation (charge pooling) and storage (in "reservoir" bonds)	Novel Battery Chemistries
6	17:45-18:00	Arindam Mal	Polyimide-linked Hexaazatriphenylene-based Porous Organic Polymer with Multiple Redox-Active Sites as a High-Capacity Organic Cathode for Lithium-Ion Batteries	Novel Battery Chemistries
Additional parallel session taken over from Perspectives in Analytical and Pysical Chemistry:				
1	16:30-16:45	Lucia Ferrazzano	Greener Peptide and PNA Synthesis for High-Value Pharmaceuticals: From Sustainable Methodologies to Industrially Relevant APIs	Circularity & Sustainability
2	16:45-17:00	Stefan Hahn	Applying the SSbD concept in the development of biobased biodegradable polymers	Circularity & Sustainability
3	17:00-17:15	Keikhosro Karimi	Integrated Biorefinery Design and Sustainability Assessment for Butyric Acid Production and Separation from Municipal Solid Waste	Circularity & Sustainability
4	17:15-17:30	Andrei Ungureanu	Toward More Sustainable Silver Based Antimicrobial Materials: Life cycle Assessment (LCA) of Silver Nanoparticle Composites	Circularity & Sustainability
5	17:30-17:45	Laura Fuentes Rodriguez	Rapid synthesis of nickel iron layered double hydroxide nanosheets for efficient oxygen evolution	Circularity & Sustainability
6	17:45-18:00	Stijn Cosemans	An In-Depth Study of the Thermodynamics and Kinetics of the Structural Phase Transition of Hydrothermally Synthesized W/VO2 Microparticles	Circularity & Sustainability

Tuesday 14th July 2026
Congress theme:
Energy, Environment & Sustainability

Session	Timing	Presenter	Title	Topic ID
1	10:00-10:15	Mohsen Gholami	Electrified Carbon Capture by Adsorption: Linking Adsorbent Formulation, Structure, and Regeneration Behavior	CO2 Capture & Utilisation
2	10:15-10:30	Gabriela Rodriguez Almaguer	Hierarchical porous silicas with tunable porosity for CO2 capture and separation	CO2 Capture & Utilisation
3	10:30-10:45	Suraj Kumar	Environmentally Sustainable CO2 Sequestration via Gas Hydrates in Marine Clay Sediments	CO2 Capture & Utilisation
4	10:45-11:00	Adel Ismail	Resol Resin-Derived Carbon embedded in Mesoporous Magnesia Nanocrystalline Sorbents for Highly Efficient CO2 Capture and Multiple Regeneration Performances	CO2 Capture & Utilisation
5	11:00-11:15	Ali Abdel-Mageed	Porphyrin Molecular Mediators Enhancing the Hydrogenation of CO2 at the Liquid-Solid interface for CuxAuy/ZnO Catalysts	CO2 Capture & Utilisation
6	11:15-11:30	tbd	tbd	CO2 Capture & Utilisation
7	11:30-11:45	Deeksha Jaiswal	Zr-doped Ti3C2Tx MXene for enhanced CO2 capture and efficient catalytic conversion to value-added products	CO2 Capture & Utilisation
8	11:45-12:15		**FLASH TALKS**	
Invited lecture	14:00-14:30	**Xenia Trier**	Risk governance of chemicals of concern in a resilient Europe – insights from PFAS	Environmental Chemistry
3	14:30-14:45	Manuel Alejandro Andino Enriquez	From Atmospheric Deposition to Photochemical Transformation: Untargeted Detection and Phase-Dependent Fate of Acetophenone in Snow and Water	Environmental Chemistry
4	14:45-15:00	Gerhard Lammel	Air-soil exchange of PFAS – observations in rural central Europe and boreal forest	Environmental Chemistry
5	15:00-15:15	Oliver Salangad	Comprehensive PFAS characterization in contaminated soils by integrated target, suspect, and non-target analysis combined with dTOP assay	Environmental Chemistry
6	15:15-15-30	Michela Tramontini	From soil adsorption to bioavailability: environmental fate of a plant-derived biostimulant	Environmental Chemistry
7	15:30-15:45	Delphine Vandeputte	The influence of Cu and Cd additions on their bioavailability in uncontaminated soils	Environmental Chemistry
8	15:45-16:00	Adrian Covaci	Dynamics of emerging PFAS in a contaminated terrestrial ecosystem	Environmental Chemistry
1	16:30-16:45	Tsegaye Adane Birhan	Pollen-based MOF bio-adsorbent for removing dye and lead from water	Air, Water, and Soil Pollution Remediation Strategies
2	16:45-17:00	Bruno Henriques	Kraft lignin for efficient and sustainable mercury removal from aqueous systems	Air, Water, and Soil Pollution Remediation Strategies
3	17:00-17:15	Zulakha Rasheed	Diurnal Fouling Fingerprints as a New Framework for Mechanistic Assessment of Microplastics in Drinking Water Premise Plumbing	Air, Water, and Soil Pollution Remediation Strategies
4	17:15-17:30	Alexandra-Ana Csavdari	Assessment of red mud slurry pH values remediation by means of aquatic plants	Air, Water, and Soil Pollution Remediation Strategies
5	17:30-17:45	Christine Khoury	Studying the Synergistic Effect between LDH and P25 for Dyes Removal from Water	Air, Water, and Soil Pollution Remediation Strategies
6	17:45-18:00	Sidi Zhu	High-Performance Nanohybrid Polyamide Membrane for Reverse Osmosis Desalination	Air, Water, and Soil Pollution Remediation Strategies

Wednesday 15th July 2026
Congress theme:
Energy, Environment & Sustainability

Session	Timing	Presenter	Title	Topic ID
1	10:00-10:15	Pol Vilariño	Control of Electrocatalytic Levulinic Acid Valorization: Synergistic Tuning of Catalysts, Solvents, and Temperature	Electrocatalysis
2	10:15-10:30	Teresa Andreu	Influence of Catalyst Composition and Temperature on Glycerol Electrooxidation in Continuous Flow Electrolysis	Electrocatalysis
3	10:30-10:45	Justyna Luczak	Oxygen defected NiCo spinel structures for ammonia electrooxidation reaction: An experimental and theoretical approach	Electrocatalysis
4	10:45-11:00	Matthias Vandichel	Modelling Metal Electrocatalysts as Cathodes: The Urgent Need to Look Beneath the Surface	Electrocatalysis
5	11:00-11:15	Kavin Teenakul	Enhancing Performance of Electrochemical Reactors through Pulsatile Electrolyte Flow and 3D-Printed Electrodes	Electrocatalysis
6	11:15-11:30	Irene Motta	High performance LSCs based on PMMA/oligothiophene thin films: a slot die coating approach	Electrochemistry
7	11:30-11:45	Soichi Kikkawa	Non-equilibrium electrochemical synthesis of metastable Cu–In intermetallic compounds for CO2 electroreduction	Electrocatalysis
8	11:45-12:15	FLASH TALKS		
Invited lecture	14:00-14:30	**Audrey Moores**	Green and sustainable nanomaterials chemistry	Nanomaterials for Sustainability
3	14:30-14:45	Ruey-An Doong	MoS2-supported nickel single-atom catalysts for the enhanced photoelectrocatalytic hydrogen production from water splitting	Nanomaterials for Sustainability
4	14:45-15:00	Simone Galliano	Maltodextrin-based electrolytes at work in safe aqueous dye-sensitized solar cells for ambient light harvesting	Nanomaterials for Sustainability
5	15:00-15:15	Christian Mark Pelicano	Boosting the Quantum Efficiency of Ionic Carbon Nitrides for Solar-Driven Fuel Synthesis	Nanomaterials for Sustainability
6	15:15-15-30	Lorenza Romagnoli	Substituting selenium for sulfur for efficient tuning of properties in BaZrS3 perovskite for photovoltaic applications	Nanomaterials for Sustainability
7	15:30-15:45	Abraham Solomon Kasa	Precursor-Driven Reconfiguration of Bulk and Interface Enhances the Solar-Driven Water-Splitting Performance of Carbon Nitride Photoanode	Nanomaterials for Sustainability
8	15:45-16:00	Giulia Forghieri	An operando AP-NEXAFS study on CO2 photoreduction with Cu-NPs supported by photoactive materials	Nanomaterials for Sustainability
1	16:30-16:45	Thainara Viana Ferreira	A Green Chemistry Strategy for Rare Earth Element Recovery from Acid Mine Drainage Using Living Biomass	Green Chemistry & Circularity
2	16:45-17:00	Giorgio Grillo	Integrated Subcritical Water Extraction and Membrane/Resin Fractionation for Circular Valorization: Chestnut Wood Residues into Tannin-Based Biopolymers	Green Chemistry & Circularity
3	17:00-17:15	Lisa Royer	From Industrial Waste to Smart Windows: Circular Recovery and Upcycling of Vanadium for Advanced Thermochromic Coatings	Green Chemistry & Circularity
4	17:15-17:30	Mustapha Idris	Sustainable graphene anodes from palm kernel shell waste for waste-to-energy microbial fuel cells	Green Chemistry & Circularity
5	17:30-17:45	Attila Kovacs	Statistical entropy analysis for the evaluation of polymer complexity and circularity	Green Chemistry & Circularity
6	17:45-18:00	Roy Maas	Impact of Mixed Polymer Streams and Contaminants on Radical-Initiated Polymer Degradation	Green Chemistry & Circularity
Additional parallel session taken over from Perspectives in Analytical and Pysical Chemistry:				
1	16:30-16:45	Debora Fabbri	Cross-regional LC-HRMS suspect and non-target screening of contaminants in rivers and aquaculture waters	Environmental Chemistry
2	16:45-17:00	Damjan Rajaković	Exploring the use of ceramic passive samplers for urban wastewater monitoring	Environmental Chemistry
3	17:00-17:15	Amila Hajdarević	Simultaneous Determination of Thirteen Antidiabetic Drugs in Wastewater Using a Novel LC-MS/MS Method	Environmental Chemistry
4	17:15-17:30	tbd	tbd	
5	17:30-17:45	Roland Kallenborn	Application and integration of modern trace analytical methods for remediation and pollution emission control in sewage and drinking water treatment	Environmental Chemistry
6	17:45-18:00	Michele Forza	Improved hydrophobicity of ZIF-90 Metal-Organic Frameworks for the removal of fluorinated pollutants from water	Environmental Chemistry

Thursday 16th July 2026
Congress theme:
Energy, Environment & Sustainability

Session	Timing	Presenter	Title	Topic ID
1	10:00-10:15	Bing Bai	Enhancing Low-Temperature CO2 Methanation via Nickel Electronic Structure Engineering	CO2 Capture & Utilisation
2	10:15-10:30	Francesc Sastre	Solar-driven CO2 to methanol production	CO2 Capture & Utilisation
3	10:30-10:45	tbd	tbd	
4	10:45-11:00	Sung-Fu Hung	Model Thiophene-Decorated Nickel Porphyrins for Tandem CO2 Reduction	CO2 Capture & Utilisation
5	11:00-11:15	Jiaqi Feng	Research on Electrocatalyst Design and Electrolyzer Scaling for Efficient CO_2 Electroreduction	CO2 Capture & Utilisation
6	11:15-11:30	Natalia Maria Mazur	Benchmarking Commercial Anion Exchange Membranes for CO2 Electroreduction to Ethylene	CO2 Capture & Utilisation
7	11:30-11:45	Thijs Van Thillo	Microcrack-engineered gas diffusion layers to mitigate flooding in Zero-Gap CO2 electrolysers for CO production	CO2 Capture & Utilisation
8	11:45-12:15	FLASH TALKS		
Invited lecture	14:00-14:30		Catalysis and sustainability for atom to planet	
3	14:30-14:45	Michael Reid	Electrochemical Hydrogenation Using Dispersed Catalytic Particles	Green Chemistry & Circularity
4	14:45-15:00	Haoxiang Yan	Development of Catalyst Systems for Polyethylene Recycling by Hydrogenolysis	Green Chemistry & Circularity
5	15:00-15:15	Zhenlei Zhang	Strategic Catalytic Approaches for the Selective Depolymerization and Targeted Defunctionalization of Lignin	Green Chemistry & Circularity
6	15:15-15:30	Devanshu Sajwan	Establishing Structure-Acidity-Performance Relationships in Zeolite Catalyzed Lignin Pyrolysis of Aromatics Production	Green Chemistry & Circularity