



Antwerp, Belgium

# 10th EuChemS Chemistry Congress

euchems2026.eu

12 - 16 July 2026



Monday 13th July 2026  
Congress theme:  
Catalyzing New Chemistry Solutions

Session	Timing	Presenter	Title
1	10:00-10:15	Agustin de Arriba	Metal-driven structural rearrangement in Mn single-atom catalysts for selective photocatalytic oxidation of C–H bonds
2	10:15-10:30	Hushan Chand	Cu Single Atom Catalyst for Three Component Coupling Reaction
3	10:30-10:45	Jun Hu	An Atomically Dispersed Photocatalyst for Undirected para-Selective C–H Bond Functionalizations
4	10:45-11:00	Areti Moutsiou	Tracking charge dynamics in a silver single-atom catalyst during the light-driven oxidation of benzyl alcohol to benzaldehyde
5	11:00-11:15	Sergio Posada Pérez	Hydrogen Evolution Suppression as a Prerequisite for Selective CO <sub>2</sub> Reduction on MXene-Supported Single-Atom Catalysts
6	11:15-11:30	Anna Fortunato	Producing Ethylene with Light
7	11:30-11:45	Mihaela-Mirela Trandafir	Insights into 4-nitrostyrene chemoselective hydrogenation on Pd supported on (TiW) <sub>2</sub> AlC and (TiW) <sub>3</sub> AlC <sub>2</sub> MAX phases and their corresponding MXenes
8	11:45-12:00	Till De Cahsan	Partial Hydrogenation of Alkynes using Carbohydrates as Alternative Hydrogen Source on Pt/C
Invited lecture	14:00-14:30	<b>Bert M. Weckhuysen</b>	Operando Spectroscopy of Heterogeneous Catalysts to Make Fuels and Chemicals
3	14:30-14:45	Rosa Llugar	Catalytic hydrogenation and dehydrogenation reactions using molybdenum sulfide clusters and their sulfur-centered reaction mechanisms
4	14:45-15:00	Kazuki Shun	Hydrogen spillover on a non-reducible metal oxide induced by heteroatom doping
5	15:00-15:15	Hui Wang	Visualizing the Surface Restructuring of Copper Electrodes during CO <sub>2</sub> Electro-Reduction
6	15:15-15:30	Lénaïck Hervé	A Bottom-Up Construction of Heterogeneous Catalysts Enabling the Selective Oxidation of HMF into FDCA
7	15:30-15:45	Keanu V.A. Birkelbach	Heterogeneous reductive hydroformylation via amine/Rh-based solid molecular catalysts
8	15:45-16:00	Yoran De Vos	3D micro-extrusion of structured oxide catalysts: linking catalyst shaping to reactor-relevant performance
1	16:30-16:45	Raquel P. Herrera	Innovations in Enantioselective Organocatalytic C–P and C–C Bond Formation Using Formal C(sp <sup>3</sup> )–H Activation
2	16:45-17:00	Samer Gnaim	One-Electron Approach for Trans-Selective Alkyne Semi-Reduction via Cobalt Catalysis
3	17:00-17:15	Ambra M. Fiore	Infrared Irradiation assisted Pd/Cu catalysis for sustainable C–N cross coupling
4	17:15-17:30	Fabrizio Careddu	Functionalized Carbon and Silica Supports for C–H Bond-Activating Enzymes Immobilization and Reuse
5	17:30-17:45	Igor Beckers	Catalytic Cross-Coupling of N-Terminal Glycine C(sp <sup>3</sup> )–H Bonds in Peptides Enables Rapid Access to Underexplored Molecular Space in Drug Discovery
6	17:45-18:00	Jean-Denys Hamel	Photoredox defluorinative $\gamma$ -substitution: Trading C–F for C–C bonds towards monofluoroalkenes



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Tuesday 14th July 2026  
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Session	Timing	Presenter	Title
1	10:00-10:15	Jr-I Yang	Photocatalytic synthesis of urea by using metal-organic framework-derived Cu/W dual composite catalysts
2	10:15-10:30	Jan Holub	Electro- and photocatalytic ammonia oxidation with RuBda-functionalised carbon materials
3	10:30-10:45	Maria Antonietta Di Stefano	Dioxo-Vanadium(V) ONO Complexes for Aerobic Photocatalytic Cleavage of C=C Bonds
4	10:45-11:00	Onder Metin	Engineering 2D Semiconductor Heterojunctions for Efficient Visible-Light-Driven Photocatalysis toward Sustainable Chemical Conversions
5	11:00-11:15	Andrea Uroz	A versatile family of [IrCp*Cl(N^O)] (photo)catalysts: Unlocking new challenging reactivities
6	11:15-11:30	Ting Yu Chen	Photocatalytic Cu-BTC@Fe-MIL-101-NH <sub>2</sub> Composite for CO <sub>2</sub> Capture and Conversion: Advancing Greener Synthesis and Sustainable Resource Recovery
7	11:30-11:45	Kirk Schanze	Electron Transfer Reactivity of Ion-Radical Photocatalysts
8	11:45-12:00	Petr Kovaříček	Light-responsive dynamic covalent systems: out-of-equilibrium states, switching and catalysis
Invited lecture	14:00-14:30	Ive Hermans	Detangling Complex Catalytic Systems for Sustainable Transformation
3	14:30-14:45	Miguel Rivero-Crespo	Biomimetic MOF-Based Multicatalytic Systems for Green Aerobic Oxidations
4	14:45-15:00	Morena Chiariotti	Exploiting capillary effects in Fe-MOFs for light alkane oxidation
5	15:00-15:15	Maxim Lox	Probing nanozymatic activity in metal-organic frameworks via luminescent Linkers
6	15:15-15:30	Xu Jia	Crystal Engineering of Zinc Metal-Organic Frameworks with Intrinsic Dynamicity for Multicomponent Catalysis
7	15:30-15:45	Iván Sorribes	Advancing sustainability via molecular design of nanomaterials
8	15:45-16:00	Wouter Van Hecke	Catalysis-driven routes to bio-based acetate and acrylate esters: integrating bioprocessing and enzyme-enabled chemistry
1	16:30-16:45	Sophie van Vreeswijk	Pt-based Zeolites as Bifunctional Catalysts for Polyolefins Depolymerisation
2	16:45-17:00		Stability and small molecule activation of few atom clusters in MFI zeolites
3	17:00-17:15	Claudia Múgica	Tailoring zeolite acidity and surface properties for direct isobutanol-to-SAF conversion
4	17:15-17:30	Marta Mon	From Metal Clusters to Metal-Free Zeolites: New Catalysts for Carbenoid Reactions
5	17:30-17:45	Iqtidar Ali Khan	Tailoring vanadium-impregnated small-pore zeolite(CHA) catalysts: Effects of synthesis on structure and non-oxidative and CO <sub>2</sub> -assisted propane dehydrogenation performance
6	17:45-18:00	Nelcari Ramirez	Designing Accessible Zeolitic Materials via Solution-Phase Precipitation



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Wednesday 15th July 2026  
Congress theme:  
Catalyzing New Chemistry Solutions

Session	Timing	Presenter	Title
1	10:00-10:15	Ganesh Sorabad	One-pot Catalytic Synthesis of Ortho-Carboxyl Biaryls by Catellani Strategy
2	10:15-10:30	Yen-Ku Wu	Direct $\beta$ -methylation of $\alpha$ -activated cycloalkenones: total synthesis of benastatins B and D
3	10:30-10:45	Belén Lerma-Berlanga	New Strategies for Sustainable Base Catalysis through Metal Cluster Design
4	10:45-11:00	Hariprasad B S	Superior Efficacy of Selenium-Promoted Cobalt Titanate in Dual Catalysis: Bisindole Synthesis and Acetophenone Hydrogenation
5	11:00-11:15	Sarah Smoni Varghese	Synthesis of Axially Chiral P,N Ligands Exploiting Non-Covalent Bonding Interactions and their Application in Asymmetric Catalysis
6	11:15-11:30	Paolo Freisa	Beyond mixing: Quad-screw extruder as a chemical reactor for solvent-free organic synthesis
7	11:30-11:45	Jakub Kusz	From support to catalyst: redefining the role of the carbon in thermochemical hydrogenation reactions
8	11:45-12:00	Michele Tomasini	Unlocking Nonalternating Ethylene-CO Copolymerization via Ligand-Controlled Isomerization
Invited lecture	14:00-14:30	<b>Nuria Lopez</b>	Detangling Complex Catalytic Systems for Sustainable Transformation
3	14:30-14:45	Petra de Jongh	Bimetallic Ni-Cu and Cu-Pd (de)Hydrogenation Catalysts – Composition and Particle Size Effects
4	14:45-15:00	Samer Gnaim	One-Electron Approach for Trans-Selective Alkyne Semi-Reduction via Cobalt Catalysis
5	15:00-15:15	Mohammad Rafiee	Electrochemical Analysis of Reaction Conditions Effects on Nickel-Catalyzed Reductive Coupling
6	15:15-15:30	Christian Pichler	Bio-electrocatalytic cascade processes for efficient valorization of biomass and plastic waste feedstocks into olefins
7	15:30-15:45	Maël Bressoux	Towards the Direct Reduction of Atmospheric CO <sub>2</sub> : Copper(I)-Mediated Hydrosilylation of Highly Diluted CO <sub>2</sub>
8	15:45-16:00	Limor Ben Neon	Toward robust and scalable formulation of Ceramic-Supported Catalysts for Reversible Hydrogen Storage Using LOHCs
1	16:30-16:45	Jonas Vogt	Understanding Nitrogen-Induced Catalyst Deactivation in Plastic Waste Pyrolysis from Lab to Pilot Scale
2	16:45-17:00	Yu Cao	Hydrogen Regulation at Metal-Support Interfaces for Selective Plastic Hydrogenolysis
3	17:00-17:15	Sihana Ahmedi	Magnetically Induced Iron-Catalyzed Hydrodeoxygenation of Benzylic Esters and Polyesters
4	17:15-17:30	Lars Faber	Reduction of Levulinic Acid to GVL – Catalyst Recycling through membrane nanofiltration
5	17:30-17:45	Dongmin Park	Steric Hindrance of Proton Donor Modulates Heterogeneous Electrochemical Nitrogen Reduction Reaction Selectivity in Non-aqueous Electrolyte
6	17:45-18:00	Milla vigliengo	Robust Ink-Formulated Single-Atom Catalyst Electrodes for Anodic and Cathodic Organic Electrosynthesis



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Thursday 16th July 2026  
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Catalyzing New Chemistry Solutions

Session	Timing	Presenter	Title
1	10:00-10:15	Radovan Sebesta	Making asymmetric organocatalysis greener and more efficient through ball-milling
2	10:15-10:30	Kriti Mehta	1,1-Diaminoazine : A versatile organocatalyst
3	10:30-10:45	Chun-Cheng Lin	Chemoenzymatic Synthesis of Gangliosides
4	10:45-11:00	Rongwei Gao	Can proteins be fast and selectively cleaved under mild conditions without using proteases? A bimetallic Ce-MOF artificial nanozyme answers
5	11:00-11:15	Clara S. B. Gomes	Sustainable Copper(I) Catalysts for CuAAC: Mechanochemistry, Structure and Mechanism
6	11:15-11:30	Samuel Suárez Pantiga	Direct synthesis of secondary amines and N-based heterocycles from nitrocompounds under molybdenum catalysis
7	11:30-11:45	Judit Oliver-Meseguer	Uncatalyzed aerobic epoxidation of liquid alkyl alkenes
8	11:45-12:00	Dominik Halter	Opportunities and challenges of in situ & ex situ electro-organic synthesis with H <sub>2</sub> O at transition metal catalysts
Invited lecture	14:00-14:15	<b>Regina Palkovits</b>	Tentative title: from Renewable Resources
3	14:30-14:45	Catherine Cazin	Mechanochemical access to catalysts and catalytic applications
4	14:45-15:00	Maximilian Wohlgemuth	Direct Mechano catalysis via Catalytically Coated Milling Tools
5	15:00-15:15	Maike Mayer	Mechanochemistry: A different Path to Selective Hydrogenation
6	15:15-15:30	Evelina Colacino	Mechanochemistry in batch and continuous - A transformative opportunity for sustainable pharmaceutical manufacturing : case studies