ECC-9 Congress Programme 10th June 2024

Subject to change

MONDAY - 8TH JULY 2024

0830 - 0845	**Plenary Lecture** **Professor Omar M. Yaghi** **PL-2: How chemistry will solve the climate problem, fast!**						
0845 - 0900							
0900 - 0915							
0915 - 0930							
0930 - 0945	**MORNING COFFEE BREAK**						
0945 - 1000							
	Theme: Catalysis ***Organocatalysis***	**Theme: Physical, Analytical and Computational Chemistry** ***Physical and Analytical 1***	**Theme: Energy, Environment and Sustainability** ***Biomass Valorisation for Material Innovation***	**Theme: Chemistry Meets Biology for Health** ***1***	**Theme: Supramolecular Chemistry** ***1***	**Theme: Advances in Synthetic Organic Chemistry** ***1***	**Theme: Nanochemistry/Materials** ***1***
1000 - 1015	O1.201. From milligram to multi-decagram scale using a robust and highly recyclable chiral phosphoric acid Presenter: Aitor Maestro - Spain	O1.601: Strong metal-support interaction effects on core-shell Au/TiO2 photocatalysts Presenter: Aparna Harshan - France	**O1.401: Simply Black Magic: Functional carbocatalyst to replace noble metals while expanding the options of chemistry** **Presenter: Markus Antonietti - Germany**	O1.301: Semisynthetic approaches for studying post-translational modifications: lessons learnt from cytokines Presenter: Marina Rubini - Ireland	**O1.701: Supramolecular Hosts: From Energy Intensive Separations to Sensors and Soft Robotics** **Presenter: Niveen Khashab - Saudi Arabia**	O1.101: Sequential Catalysis with Molecular Flavins: Combining Diverse Reactivity Presenter: Golo Storch - Germany	**O1.501: Molecular-Scale Hardware that Mimic Synapses** **Presenter: Christian Nijhuis - Netherlands**
1015 - 1030	O1.202. Iodine as an Efficient and Practical Catalyst for the Carbonyl-Alkyne Metathesis Presenter: Martin Breugst - Germany	O1.602: Metainference simulations to interpret small angle scattering experiments Presenter: Henrique Cesar - Norway		O1.302: Affinity-based probes to identify adenosine-cytosine bisubstrate analogue target in cancer cells Presenter: Marie Lopez - France		O1.102: Illuminating Routes to Complex Organoboron Scaffolds via α-Boryl Radicals Presenter: Lewis McGhie - Germany	
1030 - 1045	O1.203. Regioselective hydroboration of alkenes catalyzed by quaternary ammonium salts Presenter: Pawel Huninik - Poland	O1.603: Revisiting the optical band gaps of Co3O4 using molecular methods Presenter: Anneke Dittmer - Germany	O1.402: Biomass-Derived Catalytic Architectures: Opportunities for Mechanochemical Extrusion and Green 3D-printing Design Presenter: Daily Rodriguez-Padron - Italy	O1.303: RNA Analogues for Enhanced CRISPR-Cas12a Gene Editing Presenter: Michael Cunningham - Canada	O1.702: In Situ Insights into adsorption and catalysis in Metal-organic Frameworks Presenter: Marco Vandone - Italy	O1.103: Recent innovations in nitration chemistry: from reagent design to catalytic processes Presenter: Dmitry Katayev - Switzerland	O1.502: Interactive, communicating supraparticles obtained via forced-assembly of nano and molecular building blocks Presenter: Karl Mandel - Germany
1045 - 1100	O1.204: α-Heterocyclic aziridines: a new approach to a rare chemical domain Presenter: Timothy Hilton - United Kingdom	O1.604: 1,2-Diarylaxaindoles: Design, synthesis and photophysical characterizations Presenter: Joana Ferreira - Portugal	O1.403: Lignin-based materials for potassium batteries Presenter: Federico Bella - Italy	O1.304: Nucleoside,nucleotideand nucleic acid probes to studyDNA damage repair Presenter: Joanna McGouran - Ireland	O1.703: Synthesis and structural characterization of ordered MIL-53(Al)-derived nanoporous carbon Presenter: Maria Mihet - Romania	O1.104: Trimethylsilylbrifluoromethane – Effective Difluorocarbene-Surrogate for Scalable Synthesis of Diverse Cyclopropanes/Cyclopropenes Contained Compounds. Presenter: Serhiy Ryabukhin - Ukraine	O1.503: 4D actuators for micro-robotics – Design, materials and fabrication Presenter: Larisa Florea - Ireland
1100 - 1115	O1.205. Investigating Sequence-Structure Activity Relationship and New Substrate Scope in Foldamer Catalysis Presenter: Naveen Gupta - France	TBC	O1.404: Eco-friendly one-shot approach for producing a functionalized nano-torrefied biomass: a new application of ball milling technology Presenter: Maria Rosaria Acocella - Italy	O1.305: Tool Compounds Enabling a Molecular Understanding of Monoamine Transporters Presenter: Marko Mihovilovic - Austria	O1.704: Is Porosity essential to enable Water decontamination from Persistent and Mobile Organic Compounds? Presenter: Soumya Mukherjee - Ireland	O1.105: Detection and Characterization of Rapidly Equilibrating Glycosylation Reaction Intermediates Using Exchange NMR Presenter: Floor ter Braak - Netherlands	O1.504: Self-healing, stretchable and recyclable electronics Presenter: Fabio Ciceira - Canada
1115 - 1130	O1.206. Amine synthesis by nitro-group reduction; an electrochemically informed approach to heterogeneous biocatalysis Presenter: Tara Lurdhay	**O1.606: Investigation of electrode processes using dual dynamic voltammetry** **Presenter: Gyözö Láng - Hungary**	O1.405: Seaweed-Derived Carbon Dots for Green Energy Applications Presenter: Deirdre McAdams - Ireland	**O1.306: Chemical Tools to Structurally Mimic Protein Domains and Disrupt Protein Interactions** **Presenter: Gilles Guichard - France**	O1.705: Unveiling Supramolecular Protein Organization: Insights from Femtosecond X-ray Snapshots of Protein Crystals Presenter: Gergely Katona - Sweden	**O1.106: Organobismuth Reagents for Synthesis and Catalysis** **Presenter: Liam Ball - United Kingdom**	O1.505: Fabrication and Characterization of Cu Ion incorporated α-FeOOH/δ-Fe2O3 Heterostructures Presenter: Wenming Tong - Ireland
1130 - 1145	O1.207: Acetic Acid Bacteria (AAB) as versatile whole-cell biocatalysts for intensified bioprocesses Presenter: Luca Negoli - Italy		O1.406: Biosourced materials for organic electronics: harnessing Nature's potential for sustainable technology Presenter: David Gendron - Canada		O1.706: Supramolecular functional hybrid nanomaterials based on Cyclodextrins for health and sensing applications Presenter: Mariachiara Trapani - Italy		TBC
1145 - 1200	Flash Session 1	Flash Session 1	Flash Session 1	Flash Session 1	O1.707: Supramolecular Assembly and Alkali Metal Intercalation of Contorted Molecular Nanographenes upon Multi-Electron Uptake Presenter: Marina Petrukhina - USA	Flash Session 1	Flash Session 1
1200 - 1215	**POSTER SESSION | EXHIBITION & LUNCH**						
1215 - 1230							
1230 - 1245							
1245 - 1300							
1300 - 1315							
1315 - 1330							

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	Theme: Catalysis *Biocatalysis 1*	Theme: Physical, Analytical and Computational Chemistry *Computational 2*	Theme: Energy, Environment and Sustainability *Green Hydrogen and Ammonia*	Theme: Chemistry Meets Biology for Health *3*	Theme: Supramolecular Chemistry *2*	Theme: Advances in Synthetic Organic Chemistry *2*	Theme: Nanochemistry/Materials *2*
1330 - 1345	**O1.214: Photochemistry, Organocatalysis & Enzymes:New Radical Opportunities** **Presenter: Paolo Melchiorre - Italy**	**O1.615: Modelling Chemical Reactions in Solution with Machine Learning Potentials – Balancing Efficiency and Accuracy** **Presenter: Fernanda Duarte - United Kingdom**	O1.407: Organic sensitizers for visible light-mediated hydrogen production: design, sustainable synthesis and applications Presenter: Lorenzo Zani - Italy	**O1.313: SideroArt: how to exploit artificial siderophores for molecular imaging applications** **Presenter: Elżbieta Gumienna-Kontecka - Poland**	O1.708: PreciseProtein Assembly Driven by Inducing Ligand Strategy Presenter: Guosong Chen - China	O1.107: Electrochemistry: A Green Strategy for the Synthesis of Relevant Organic Compounds Presenter: Roberto del Río-Rodríguez - Spain	O1.507: Diamond open access: an equitable approach to scholarly publishing Presenter: Barbara Hissa - Germany
1345 - 1400			O1.408: Application of Plasma chemistry for Hydrogen (H2) recovery from Hydrogen Sulfide (H2S) Decomposition Presenter: Rupali Gautam - India			O1.108: Site-selective Electrochemical Arene C–H Amination Presenter: Eva María Álvarez - USA	O1.508: Hybrid materials of molecular quantum bits Presenter: Joris van Slageren - Germany
1400 - 1415	O1.215: Photobiocatalysis with imine reductase enzymes (IREDs) in the stereocontrolled synthesis of cyclic amines Presenter: Stefano Parisotto - Italy	O1.616: Machine learning of Gaussian basis sets for use in computational chemistry Presenter: Grant Hill - United Kingdom	O1.409: Photo-assisted production of green ammonia-based fuels Presenter: Joaquim Faria - Portugal	O1.314: Metallodrugs as modulators of amyloid βaggregation in neurodegenerative diseases: insights in their mechanisms of action Presenter: Daniela Marasco - Italy	O1.709: Dynamic and stable G-quadruplex-based supramolecular bioinks for biomedical applications Presenter: João Borges - Portugal	O1.109: Automated self-optimization, intensification and scale-up of photocatalysis in flow Presenter: Aidan Slattery - Netherlands	O1.509: Vanadyl-containing paddlewheel complexes as molecular spin quantum bits Presenter: Andrea Cornia - Italy
1415 - 1430	O1.216: Entrapment in Hydrl. gels: Hydro-Ionic Liquid Polymer Gels for enzyme immobilization. Presenter: José Ángel Pérez Tomás - United Kingdom	O1.617: Reaction networks in isChem-BD: creating standards for reaction mechanisms Presenter: Diego Garay-Ruiz - Spain	**O1.410: Sustainable energy transitions? 1 technology focus: Porous organic polymers for a POM-based oxygen evolution catalyst +1 framework proposal: Situated green chemistries** **Presenter: Elsje Quadrelli - France**	O1.315: Exploring the chemical factors that can enhance singlet oxygen production Presenter: Laura Rodríguez - Spain	O1.710: Ion-Dependent Conformational Switching of Bisthioxanthylidenes Presenter: Robert Hein - Netherlands	TBC	O1.510: The molecular approach towards nano-sized actinide dioxides Presenter: Olaf Walter - Germany
1430 - 1445	O1.217: PROCESS DEVELOPMENT OF A CYANIDE-FREE SYNTHESIS OF AROMATIC NITRILES VIA BIOCATALYTIC DEHYDRATION OF ALDOXIMES Presenter: Maike Bittmann - Germany	O1.618: Machine Learning-assisted selection of solvent-based collective variables for Metadynamics for the simulation of drug/target interactions Presenter: Julia Stebani - Germany		O1.316: Fluorogenic hyaluronan nanogels track early protein aggregates under oxidative stress Presenter: Damiano Genovese - Italy	O1.711: A Platform Approach to Cleavable Macrocycles for the Controlled Disassembly of Mechanically Caged Molecules Presenter: Abed Saady - United Kingdom	O1.111: PHOTOORGANOCATALYSIS: NOVEL GREEN TECHNOLOGIES FOR SUSTAINABLE SYNTHESIS Presenter: Christoforos Kokotos - Greece	TBC
1445 - 1500	O1.218: Divergent oxidation reactions of allylic alcohols by unspecific peroxygenase (UPO) controlled by alkene geometry Presenter: Jiacheng Li - United Kingdom	O1.619: Machine learning supports line-scan hyperspectral imaging analysis to predict the temperature production of biochar Presenter: Hong Pham - United Kingdom	O1.411: Green Hydrogen Evolution using Solar Energy at Electrodes of Earth Abundant Material detected using Broadband Acoustic Resonance Dissolution Spectroscopy Presenter: Christopher Kent - Ireland	O1.317: Self-templating mechanically interlocked systems as dual activity antimicrobial candidates Presenter: Thomas Rabbitte - Ireland	O1.712: Single-layered peptide assemblies for controllable membrane activity Presenter: Tamás Beke-Somfai - Hungary	**O1.112: Recent adventures in catalysis and beyond** **Presenter: Bill Morandi - Switzerland**	**O1.512: Lanthanide Sandwich Compounds** **Presenter: Peter Roesky - Germany**
1500 - 1515	O1.219: Biocatalytic cascade synthesis of iminosugars from monosaccharides Presenter: Kathryn Yeow - Ireland	O1.620: Navigating catalytic reaction space: Automated approaches for new insights Presenter: Miguel Steiner - Switzerland	TBC	O1.318: Non-conventional Co(III) Schiff Base complexes as DNA binders Presenter: Riccardo Bonsignore - Italy	O1.713: Cyclodextrin polymers as versatile tools for homogeneous photochemistry in water to produce oxygen releasing agents Presenter: Ilse Manet - Italy		
1515 - 1530	Flash Session 2	Flash Session 2	TBC	Flash Session 2	Flash Session 2	Flash Session 2	Flash Session 2
1530 - 1545	**AFTERNOON COFFEE BREAK**						
1545 - 1600							
	Theme: Catalysis *Biocatalysis 2*	**Theme: Physical, Analytical and Computational Chemistry** Computational 3	**Theme: Energy, Environment and Sustainability** *Material Innovation*	**Theme: Chemistry Meets Biology for Health** *4*	**Theme: Supramolecular Chemistry** *3*	**Theme: Advances in Synthetic Organic Chemistry** *4*	**Theme: Nanochemistry/Materials** *4*
1600 - 1615	**O1.226: New-to-nature Biocatalysis Methodologies as Tools in Organic Synthesis** **Presenter: Jan Deska - Finland**	O1.621: Instability of Ferrocene Carboxylic Acid Mediator Under Alkaline Conditions Presenter: Kevin Kurian - Ireland	**O1.414: Switchable Paramagnets and their Integration into Nanomaterials** **Presenter: Grace Morgan - Ireland**	O1.319: MOF-enhanced phototherapeutic dressings for drug-resistant bacteria in wound care Presenter: Zhihao YU - France	O1.714: Towards the Formation and Stabilization of molecule-based chiral Interfaces across different Platforms Presenter: Sven Bernaerts - Belgium	O1.119: Acid-catalyzed shuttling of thiols and H2S via a bioinspired β-sulfonium elimination Presenter: Jesse Dallenes - Belgium	O1.519: Development of anti-counterfeiting chemical markers for the protection of cultural heritage Presenter: Martina Piletti - Ireland
1615 - 1630		TBC		O1.320: Gold porphyrin metallacages as multifaceted anticancer agents Presenter: Guillermo Moreno-Alcántar - Germany	O1.715: A tunable MOF platform for chiral chromatographic separations Presenter: Soraya Bouras - France	O1.120: In batch and in flow organo- and metallaphotoredox catalysis for the synthesis of APIs (active pharmaceutical ingredients). Presenter: Maurizio Benaglia - Italy	O1.520: Towards recyclable 2D material-based nanofiltration membranes for water purification Presenter: Áine Coogan - Ireland
1630 - 1645	O1.227: Enhancing biocatalysis with chemically modified enzymes and ionic liquids Presenter: Alex Brogan - United Kingdom	**O1.623: Investigation of Gold Nanocomposite Architectures as Effective Cancer Radiosensitising Agents** **Presenter: Susan Quinn - Ireland**	O1.415: High performing nano-electrocatalyst materials for organic oxidation reaction in hybrid electrolysis Presenter: Maida Oliveira - Ireland	O1.321: Investigation of Pillarplexes towards DNA recognition and X-ray Imaging Presenter: Alexander Pöthig - Germany	**O1.716: Macrocycle-mediated Protein Assembly** **Presenter: Peter Crowley - Ireland**	O1.121: Solvent free metal-catalyzed methods enabled by mechanochemistry Presenter: Michael Schnürch - Austria	O1.521: Sponge-like gels from liquid-liquid phase separation: tortuosity and uptake abilities Presenter: Rosangela Mastrangelo - Italy
1645 - 1700	O1.228: Chemo-enzymatic approach for CO2 transformation into cyclic carbonate esters in solvent-free systems Presenter: Rocio Villa - Spain		TBC	O1.322: Unlocking Potential: Metal-Organic Frameworks in Anticancer Drug Delivery Presenter: Constantina Papatriantafyllopoulou - Ireland		O1.122: Asymmetric organocatalysis and metal catalysis under mechanochemical conditions Presenter: Radovan Šebesta - Slovakia	TBC
1700 - 1715							
1715 - 1730	**Plenary Lecture** **Professor Frances H. Arnold** **PL-3: Innovation by Evolution: Bringing New Chemistry to Life**						
1730 - 1745							
1745 - 1800							
1800 - 1815							
1815 - 1830	**POSTER SESSION**						
1830 - 1845							

MONDAY - 8TH JULY 2024

0830 - 0845

0845 - 0900

0900 - 0915

0915 - 0930

0930 - 0945

0945 - 1000

MORNING COFFEE BREAK

	Theme: Catalysis *Heterogeneous Catalysis 1*	Theme: Physical, Analytical and Computational Chemisty *Computational 1*	Theme: Chemistry Meets Biology for Health *2*	EYCN	Mini-Symposium	Mini-Symposium	Mini-Symposium
1000 - 1015	O1.208: MXenes as efficient supports for the direct oxidation of methane Presenter: Mihaela Florea - Romania	O1.607: Adsorption Dynamics in Porous Materials: A Hybrid Grand Canonical Monte Carlo-Molecular Dynamics Approach Presenter: Sousa Javanmkkhah - Ireland	**O1.307: Forecasting vaping health risks through neural network model prediction of e-liquid flavour pyrolysis reactions** **Presenter: Donal O'Shea - Ireland**	EYCN: Scientific Publishing, Communication and Collaboration E1-1: The Elements of Fair and Trustworthy Scientific Publishing Presenters: William Aumiller, Emma Eley, Anne Nijs, Haymo Ross	S1-1: Mini-Symposium on "Single-Atom Catalysis" Chairperson(s): Gianvito Vilé Presenters: Matthias Beller, Gianfranco Pacchioni, Jiří Pavelec	S1-2: Local and Global Approaches Towards a More Sustainable Future through Chemistry Chairperson(s): Juliana Vidal, João Borges Presenters: John Warner, Sonja Jost, Niall McEvoy	S1-3: EuChemS Division of Glycoscience -Advances in synthetic carbohydrate chemistry and catalysis Chairperson(s): Joseph Byrne Presenters: Eoghan McGarrigle, Gavin Miller, Stefan Oscarson
1015 - 1030	O1.209. Role of the iron spin state in the oxygen atom transfer (OAT) and hydrogen atom transfer (HAT) reactions catalysed by [Fe(H)(Pyclen)] complexes Presenter: Alessandro Caselli - Italy	O1.608: Molecular Modeling as a Predictive Tool for the CO2 Adsorption Properties of Nitrogen-Containing Porous Organic Materials Presenter: Ivan Kodrin - Croatia					
1030 - 1045	O1.210. An Amorphous Lewis-acidic Zirconium Chloro Fluoride as Hf Shuttle: C-F Bond Activation and Formation 1 Presenter: Christian Hoinkamp - Germany	O1.609: Redox-based defect detection in packed DNA: Hybrid quantum mechanical/molecular mechanical molecular dynamics (QM/MM MD) simulation and feature selection studies Presenter: Sophia Johnson - Switzerland	O1.308: Examples to demonstrate the importance of solution equilibrium research in developing of metal-based drugs Presenter: Etelka Farkas - Hungary				
1045 - 1100	O1.211: Nickel Tungstated Zirconia Catalytic Hydrocracking of Low-Density Polyethylene (LDPE) Plastic Wastes Presenter: Edidiong Asuquo - United Kingdom	O1.610: Investigation of chemical, thermal, and mechanical stability of metal-organic frameworks: an application of a universal neural network potential Presenter: Taku Watanabe - Japan	O1.309: Photocyclization to form new cell permeable pseudocyclopeptides Presenter: basile Pérès - France				
1100 - 1115	O1.212: Grinding nickel compounds – Mechanochemistry in complexes synthesis. Presenter: Natalia Pietras - Poland	O1.611: Designing Reaction Coordinate for Ion-induced Pore Assisted Mechanism of Halide Ions Permeation by Umbrella Sampling Presenter: Debashree Chakraborty - India	O1.310: The strategic integration of C1 substitution in N-aryl-1,2,3,4-tetrahydroisoquinoline compounds for enhanced inhibition of cholinergic enzymes Presenter: Aleksandra Bondžić - Serbia				
1115 - 1130	**O1.213: A Catalyst Life and its Circumstances** **Presenter: Beatriz Roldan Cuenya - Germany**	O1.612: Fenreting out the drug delivery behaviour of β-cyclodextrin nanosponges through classical molecular dynamics Presenter: Riccardo Ferrero - Italy	O1.311: Targeting the calcium release-activated calcium channel using peptidomimetics Presenter: Pedro A Sánchez-Murcia - Austria				
1130 - 1145		O1.613: Wetting Behavior of Binary Imidazolium based aqueous ionic liquids on smooth and rough Graphite surface: A molecular dynamics study Presenter: Devarya Chakraborty - India	**O1.312: Lectin ligand design and synthesis for galactose and sialic acid binding proteins** **Presenter: Paul Murphy - Ireland**				
1145 - 1200	Flash Session 1	O1.614: Modeling electrocatalytic MOFs - Cation coupled electron transfer facilitates reduction Presenter: Mårten Ahlquist - Sweden					

1200 - 1215

1215 - 1230

1230 - 1245

1245 - 1300

1300 - 1315

1315 - 1330

POSTER SESSION | EXHIBITION & LUNCH

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	Theme: Catalysis *Heterogeneous Catalysis 2*	Theme: Nanochemistry/Materials *3*	Theme: Advances in Synthetic Organic Chemistry *3*	EYCN		Mini-Symposium	Mini-Symposium
1330 - 1345	O1.220: Exploring the Potential of Catalysts based on the Heavier Group 13 Elements for Cyclic Carbonate and Cyclic Dithiocarbonate Synthesis Presenter: Christopher Whitehoak - Spain	**O1.513: Carbon nano-onions for biomedical applications** **Presenter: Silvia Giordani - Ireland**	O1.113: Electrochemical Hofmann Rearrangement at High Current Densities in a Simple Flow Setup Presenter: Darryl Nater - Germany	EYCN: Societal Challenges E1-2: How and Why You Should Engage in Science Policy Presenters: Frances Arnold, Helen Pain, Floris Rutjes		S1-4: ChemistryEurope Mini-Symposium Chairperson(s): Haymo Ross Presenters: Bert Weckhuysen, Boris Vauzeilles, Leonard Prins	S1-5: EuChemS Division of Glycoscience -Chemical glycobiology for human health Chairperson(s): Michelle Kilcoyne Presenters: Paula Videira, Samy Cecioni, Jonathan Dolan, Martin Fascione
1345 - 1400	O1.221: Catalytic CO2 Reduction with Heptacoordinated Cobalt and Iron Polypyridine Complexes Presenter: Federico Droghetti - Italy		O1.114: Illuminating phenol dearomatization through singlet oxygen chemistry Presenter: Vincent Coeffard - France				
1400 - 1415	O1.222: Natural Ionic Systems for CO2 valorisation into fuels Presenter: Luis Branco - Portugal	O1.514: Computational and experimental study of porous particles'mechanicalproperties based on reverse engineering approach Presenter: Nikita Kuznetsov - Russian Federation	**O1.115: Synthetic and Stereochemical Aspects of Enantioselective Transformations ofa-Diazocarbonyl Compounds** **Presenter: Anita Maguire - Ireland**				
1415 - 1430	O1.223: Atomically precise metal nanoclusters for designing metal nanocatalysts. Presenter: Cristiana Cesari - Italy	O1.515: Influence Of Organic Cations In The Assembly Of Polyoxometalate-Based Electrodes For Electrochemical Applications Presenter: Lucia Vizcaino-Anaya - Spain					
1430 - 1445	O1.224: New uses of zeolites and alumina for sustainable organic synthesis in batch and flow procedures Presenter: Judit Oliver-Meseguer - Spain	**Declan McCormack - Ireland**	O1.116: Hypervalent iodine reagents: the missing link for C-N and S-N bond formation Presenter: Maria Marques - Portugal				
1445 - 1500	**O1.225: Molecular chemistry concepts for the design of nanocatalysts** **Presenter: Karine PHILIPPOT - France**		O1.117: First Total Synthesis of Caerulomycin K: A Case Study on Selective,Multiple C-H Functionalizations of Pyridines Presenter: Alessandro Dimasi - Italy				
1500 - 1515		TBC	**O1.118: Exploiting continuous flow technology for the discovery of new reactions.** **Presenter: Marcus Baumann - Ireland**				
1515 - 1530	Flash Session 2	TBC					
15:30 - 15:45	**AFTERNOON COFFEE BREAK**						
15:45 - 16:00							
	Theme: Catalysis *Heterogeneous Catalysis 3*	Theme: Supramolecular Chemistry *4*	Theme: Advances in Synthetic Organic Chemistry *5*	EYCN	Theme: Physical, Analytical and Computational Chemistry *Physical and Analytical 2*	Theme: Supramolecular Chemistry *5*	Theme: Chemistry Meets Biology for Health *5*
1600 - 1615	O1.229: Red/blue-light responsive with prolonged charge carriers carbon nitride/TiO2 heterointerface for multiple photoelectrocatalytic applications Presenter: Pablo Jiménez Calvo - Germany	O1.717: Supramolecular control over pillararene-catalyzed Kemp elimination with a photoresponsive inhibitor. Presenter: Sabina Langens - Netherlands	O1.123: Thermal vs. non-thermal effects of IR irradiation in Palladium-catalyzed cross-dehydrogenative coupling of polyfluoroarenes with heteroarenes Presenter: Gianluigi Albano - Italy	EYCN: Societal Challenges E1-3: Dual-Use in Chemistry – The Challenge of Ensuring Chemistry Benefits All While Preventing Misuse Presenters: Peter Hotchkiss	O1.624: Predicting ceramic slurry extrudability for robocasting using support vector machines and random forest models Presenter: Adam Turner - Philippines	O1.719: Liquid crystalline cellulose photonic microactuators Presenter: Aoife Donohoe - Ireland	O1.323: Chemical synthesis and biological evaluation of 4'-modified nucleosides Presenter: Gavin Miller - United Kingdom
1615 - 1630	O1.230: Ligand-Directed and Adsorption-Assisted Phenomena in Single Chirality Transfer Complexes on Surfaces Presenter: Peter McBreen - Canada	O1.718: An improbable rotaxane:howcucurbiturilsallowblue boxbinding toacationicflavylium axle with high stability and stimuli responsiveness Presenter: André Seco - Portugal	O1.124: Tandem Iridium(III)-Catalysed Cycloisomerization Reactions of Functionalized 1,n-Enynes Presenter: José Pérez Sestelo - Spain		O1.625: Directional evolutionary multiobjective optimization of metal complexes at the billion-scale Presenter: Hannes Kneiding - Norway	O1.720: Construction of self-organized synthetic lipid-based compartments Presenter: Federica Souto-Trinei - Spain	O1.324: Dissecting the molecular mechanism of small molecules binding C9orf72G-quadruplex structures Presenter: Angelo Spinello - Italy
1630 - 1645	O1.231: Copper Nanowires Synthesis and Their Application as Efficient Electrocatalysts for CO2 Conversion Presenter: Sabrina Antonello - Italy		O1.125: Chemoselective reductive functionalization of amides using Schwartz's reagent: a versatile tool for late-stage amide modification and drug discovery Presenter: Bartlomiej Furman - Poland		O1.626: Automated computational chemistry and machine learning workflows in chemistry Presenter: Juan V. Alegre-Requena - Spain	O1.721: Insights on non-equilibrium compartmentalized systems revealed by quantifying kinetic asymmetry in multi-cycle networks Presenter: Ahmad Bachir - France	TBC
1645 - 1700	O1.232: Synergy of Piezo-catalysis and Anion Activation: Exploring new frontiers of mechanochemistry in radical organic chemistry Presenter: Samuel Andrejčák - Slovakia		O1.126: A General and Highly Versatile Heterogeneous Pd-Catalyzed Oxidative Aminocarbonylation of Alkynes with Aromatic and Aliphatic Amines Presenter: Jose R. Cabrero-Antonino - Spain		TBC	O1.722: Amphiphilic Dynamic Covalent Polymer Vectors for siRNA Delivery Presenter: José Garcia Coll - France	TBC
1700 - 1715							
1715 - 1730							
1730 - 1745							
1745 - 1800							
1800 - 1815							
1815 - 1830	**POSTER SESSION**						
18:30 - 18:45							