ECC-9 Congress Programme 10th June 2024

Subject to change

WEDNESDAY - 10TH JULY 2024

0830 - 0845	**Plenary Lecture** **Professor Véronique Gouverneur**						
0845 - 0900							
0900 - 0915							
0915 - 0930							
0930 - 0945	**MORNING COFFEE BREAK**						
0945 - 1000							
	Theme: Catalysis ***Organometallic Catalysis 1***	**Theme: Physical, Analytical and Computational Chemistry** ***Physical and Analytical 5***	**Theme: Energy, Environment and Sustainability** ***Circular Plastics***	**Theme: Chemistry Meets Biology for Health** ***9***	**Theme: Supramolecular Chemistry** ***10***	**Theme: Advances in Synthetic Organic Chemistry** ***10***	**Theme: Nanochemistry/Materials** ***8***
1000 - 1015	**O3.201: Hybrid Molecular Materials for Energy Applications** **Presenter: Antoni Llobet - Spain**	O3.601: Determination and assessment of thermodynamic properties of chalcogenide perovskites for prospective applications in photovoltaic cells Presenter: Lorenza Romagnoli - Italy	O3.401: Depolymerization of polyurethane and polyethylene terephthalate with enzymes stabilized in ionic liquids Presenter: Annika Samuel - United Kingdom	O3.301: Zirconium(IV) Fluoride Bonds as a Late-Stage Strategy for Radiolabelling Tumour-Specific Peptides Presenter: Patrick Cieslik - Switzerland	**O3.701: Towards active matter: Driving chemical systems away from equilibrium** **Presenter: Leonard Prins - Italy**	O3.101: Synthesis and Structural Modification of New Cage Compounds, the Promising ortho-Benzene Isosteres Presenter: Serhiy Ryabukhin - Ukraine	**O3.501: Machine-learning-driven advances in modelling inorganic materials** **Presenter: Volker Deringer - United Kingdom**
1015 - 1030		O3.602: Tailoring thermally activated delayed fluorescence (TAFDF) emitters towards efficient electrochemiluminescence in aqueous media. Presenter: ALESSANDRO ALIPRANDI - Italy	O3.402: A green and efficient method for chemical recycling of carbonfiber/epoxy resin composites by deep eutectic solvents Presenter: Chun-Chi Chen - Taiwan	O3.302: Targeted polymeric micelles loaded with a gold(III) bisdithiolate complex for ovarian cancer theranostics Presenter: Joana Santos - Portugal		O3.102: Regio- and stereoselective oxidation/hydroxylation using biocatalysts and H2O2 as sole oxidant Presenter: Wolfgang Kroutil - Austria	
1030 - 1045	O3.202: D2-symmetric tetra-N-heterocyclic carbene complexes for catalytic oxidation reactions Presenter: David Jenkins - USA	O3.603: Mapping the controlled hydrothermal synthesis of materials with Principal Component Analysis Presenter: Peter Dunne - Ireland	O3.403: Heterogeneous catalysts for the oxidation of low density polyethylene to value-added chemicals Presenter: Rachel Breen - Ireland	O3.303: The meandering of [M(CO)3]+ (M = Mn, Tc, Re) fragments & clusters into macromolecularfrontiers Presenter: Alice Brink - South Africa	O3.702: Repurposing a Catalytic Cycle for Driving Dissipative Self-Assembly Presenter: Shuntaro Amano - France	O3.103: A New Paradigm for the Asymmetric Diels-Alder Reaction Presenter: Aoibheann O' Connor - Ireland	O3.502: The tricky story of black titania – A spectroscopic study on the reduction of titania Presenter: Lore Van den Bergh - Belgium
1045 - 1100	O3.203: Highly stable α,α-Diimine Silver(I) catalysts that incorporate CO2 into alkyne frameworks Presenter: M. Rosa Fernandez-Ruiz - Ireland	O3.604: New ternary deep eutectic solvents in the preparation of polymer-modified-electrode electrochemical sensors Presenter: Christopher Brett - Portugal	**O3.404: Plastic Waste, the Raw Material of a Circular and Sustainable Future: Open Loop Recycling of Polyethylene Empowered by Olefin Metathesis** **Presenter: Robert Tuba - Hungary**	O3.304: Zinc-responsive bioinspired magnetic resonance imaging contrast agents Presenter: Luke Marchetti - France	O3.703: Development and non-equilibrium functions of a supramolecular chemical oscillator Presenter: Michael Howlett - United Kingdom	O3.104: Capsaicinoids: Continuous flow synthesis, complexation with cyclodextrins and biological activity Presenter: Erika Bálint - Hungary	D3.503: 2D-Metal with locked charge density wave, in the novel layered Monophosphate tungsten bronzes [Ba(PO4)2]WmO3m-3 Presenter: Olivier Mentré - France
1100 - 1115	O3.204: High-Valent Cobalt(III) Complexes for the Fluorination of Organic Substrates Presenter: Ana Geer - Spain	O3.605: Tools for screening solubility and understanding interactions in ionic liquids Presenter: Leila Moura - United Kingdom		O3.305: Metal-based therapeutics: exploring the structure-property relationships in systematically designed polyimine metal-complexes Presenter: Sylvia Draper - Ireland	O3.704: Structural Chemistry of Biomolecules by means of cryo-EM Presenter: Gabriele Giachin - Italy	O3.105: Organocascade reactions of functionalizeda-amidosulfones in the asymmetric construction of substitutedg-lactams Presenter: Antonio Massa - Italy	D3.504: Sulfonamides incorporating cage-like silsesquioxane moieties with potential biological efficacy Presenter: Kamila Fuchs - Poland
1115 - 1130	O3.205: Cobalt-catalysed Wagner–Meerwein rearrangements Presenter: Nicola Murdoch - United Kingdom	**O3.606: Fine-tuning the properties of conductive polymer layers for target applications** **Presenter: Vessela Tsukova - Bulgaria**	O3.405: Evaluation of enzymatic polymer degradation: insights into the influence of additives on the recycling of plastic waste Presenter: Ana M. Ferreira - Portugal	**O3.306: Nanobrachytherapy of Cancer with Radiolabeled Nanoparticles** **Presenter: Penelope Bouziotis - Greece**	O3.705: Novel Photo-Responsive Calixarenes for the Control of the Transport of Hydrophilic Peptides Across Synthetic and Cellular Membranes Presenter: Joana Martins - Portugal	**O3.106: Rethinking enantioconvergent reactions** **Presenter: Andrew Lawrence - United Kingdom**	TBC
1130 - 1145	O3.206: Sustainable reduction of carboxylic acid esters applying non-noble metal based catalysts Presenter: Kathrin Junge - Germany		O3.406: Ionic liquid technology for (bio)catalytic depolymerization of polyurethane foam wastes Presenter: Pedro Lozano - Spain		**O3.706: From morphogenetic matter to the fight against bacterial infections** **Presenter: Nathalie Katsonis - Netherlands**		TBC
1145 - 1200	Flash Session 1	Flash Session 1	O3.407: Delamination of Polyamide/Polyolefin Multilayer Films by Selective Enzymolysis of Polyurethane Adhesive Presenter: Golshid O'Rourke - Belgium	Flash Session 1		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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WEDNESDAY - 10TH JULY 2024

	Theme: Catalysis *Organometallic Catalysis 2*	Theme: Physical, Analytical and Computational Chemistry *Computational 8*	Theme: Energy, Environment and Sustainability *Pollutant Control and Remediation*	Theme: Chemistry Meets Biology for Health *10*	Theme: Supramolecular Chemistry *11*	Theme: Advances in Synthetic Organic Chemistry *11*	Theme: Nanochemistry/Materials *9*
1330 - 1345	O3.207: NEW CATALYSTS FOR THE SYNTHESIS AND THE CHEMICAL RECYCLING OF BIODEGRADABLE POLYESTERS Presenter: Claudio Pellecchia - Italy	**O3.615: Hydrogen bonding with hydridic hydrogen – experimental low-temperature IR and computational study: is a revised definition of hydrogen bonding appropriate ?** **Presenter: Pavel Hobza - Czech Republic**	TBC	**O3.307: Molecular probes for the detection of pathogens and reactive oxygen species** **Presenter: Boris Vauzeilles - France**	O3.707: Phosphate-Driven Systems Chemistry Presenter: Charalampos Pappas - Germany	**O3.107: Catalysis to increase complexity: stereoselective synthesis of sp3-rich building blocks** **Presenter: Mariola Tortosa - Spain**	O3.507: Direct non-sacrificial electrodeposition of electrically conducting MOF nanostructures for microsupercapacitor applications Presenter: Géraldine Chanteux - Belgium
1345 - 1400	O3.208: Ligand Design in the Direct Asymmetric Reductive Amination Presenter: Maximilian Menche - Germany		O3.417: Sphere-shaped cellulose-based motile particles for water remediation Presenter: Carla Vilela - Portugal		O3.708: Stimuli-responsive supramolecular DNA-based structures Presenter: Erica Del Grosso - Italy		O3.508: Ti12-MOFs as promising photocatalysts for H2 production Presenter: Georges Mouchaham - France
1400 - 1415	O3.209: Application of P,N ligands in the asymmetric alkynylation of quinolone Presenter: Dáirine Morgan - Ireland	O3.616: Description of non-covalent interactions in smoothed electron density maps of a protein-water-inhibitor system Presenter: Laurence Leherte - Belgium	O3.418: Geochemical and Spatial Distribution of Minerals in the Tailings of Ife/Ijesa Gold Mine Zone, Nigeria Presenter: Abiodun Fatoye - Nigeria	O3.308: Deoxyfluorinated rare sugars as tools to study the pentose phosphate pathway Presenter: Katharina Pallitsch - Austria	O3.709: Dynamic Polymers as Smart Fluorogens Presenter: Sébastien Ulrich - France	O3.108: Enlightening the Reactivity of Heavy Pnictogen Double Bonds Presenter: Alessandro Bismuto - Germany	O3.509: Tetraoxa[8]circulenes – a new platform for polymers and frameworks Presenter: Patrick Fritz - Switzerland
1415 - 1430	O3.210: Physical Separation of Enantiomeric Products by Compartmentalized Parallel Kinetic Resolution (CPKR) Presenter: Cyril Bressy - France	O3.617: How many explicit solvent molecules do I really need? A combined swarm intelligence/ quantum chemistry approach to automatic microsolvation. Presenter: Bernardo de Souza - Germany	O3.419: Tackling the Challenges of Quantifying Trace Contaminants in Biogas Presenter: Ayush Agarwal - Switzerland	O3.309: Labelling the Unlabellable: Semi-Synthesis of Labelled Polyprenyls for Chemical Biology Applications Presenter: Stephen Cochrane - United Kingdom	O3.711: Using visible light to reversibly tune the viscosity of peptide-based solutions Presenter: Simona Bianco - United Kingdom	O3.109: Scale-up of an asymmetric sp3-sp2 Suzuki-Miyaura type reaction Presenter: Laura Cunningham - Ireland	O3.510: The shaping of covalent organic frameworks Presenter: Zhongshan Liu - China
1430 - 1445	O3.211: Pushing the boundaries of asymmetric hydrogenation with the hydrogenation of acyclic tetrasubstituted enones. Presenter: Oscar Pàmies - Spain	O3.618: Isomerization, stabilization and related properties of benzene complexes with main-group-metals Presenter: Fedor Naumkin - Canada	O3.420: Application of CeO2-loaded zeolites as adsorbents for removal of endocrine disrupting compounds fipronil Presenter: Sanghamitra Barman - India	O3.310: Design, synthesis, immunological evaluation and NMR studies of conjugate vaccine candidates derived from the tumor-associated MUC1 antigen and a saponin adjuvant. Presenter: Alberto Fernandez-Tejada - Spain	O3.710: Stepwise control of stages in beta-peptide assembly formation Presenter: Imola Ságyártó - Hungary	O3.110: Oxetanes as nucleophiles for the synthesis of pharmaceutically relevant key building blocks Presenter: Philipp Natho - Italy	O3.511: Accelerated synthesis and discovery of covalent organic framework photocatalysts Presenter: John Ward - United Kingdom
1445 - 1500	O3.212: Deciphering deuterium source selection in site-selective hydrogen isotope exchange Presenter: Sergio Barranco - Spain	O3.619: Accurate description of environment effects on triplet states: role of state-specific polarisation response and dispersion interactions Presenter: Ciro Guido - Italy	**O3.421: Comprehensive environmental monitoring by leveraging HRMS instrumental and data processing advances** **Presenter: Nikolaos Thomaidis - Greece**	O3.311: How to inhibit Streptococcus pneumoniaegrowth by clicking cell wall biopolymers Presenter: Yung-Sing Wong - France	**O3.712: Chemical reaction networks based on conjugate additions to beta-substituted Michael acceptors** **Presenter: Rienk Eelkema - Netherlands**	O3.111: Culmination of the development of the stoichiometric asymmetric Grignard synthesis of tertiary alcohols and its first catalytic version Presenter: Declan Gilheany - Ireland	**3.512: MODIFYING METAL-ORGANIC FRAMEWORKS FOR IMPROVED PERFORMANCE IN GLOBALLY RELEVANT SEPARATIONS.** **Presenter: Wendy Queen - Switzerland**
1500 - 1515	**O3.213: Industrial Scale Enantioselective Hydrogenation using Pfaltz-Type Catalysts** **Presenter: Christoph Schotes - Germany**	O3.620: Exploring Energy Surfaces through Multi-Dimensional Energy Decomposition Analysis Presenter: Dennis Svatunek - Austria		O3.312: Polymeric Ylides: A new generation of zwitterionic polymers with distinct antifouling properties Presenter: Kevin Neumann - Netherlands		O3.112: UNTAPPED CS-SELECTIVITY IN THE ASYMMETRIC PD-CATALYSED ALLYLIC ALKYLATION OF SILOXYFURANS Presenter: Stellios Arseniyadis - United Kingdom	
1515 - 1530		Flash Session 2	Flash Session 2	Flash Session 2	Flash Session 2	Flash Session 2	Flash Session 2
1530 - 1545	**AFTERNOON COFFEE BREAK**						
1545 - 1600							
	Theme: Catalysis *Organometallic Catalysis 3*	Theme: Physical, Analytical and Computational Chemistry *Physical and Analytical 7*	Theme: Supramolecular Chemistry *12*	Theme: Chemistry Meets Biology for Health *11*	Theme: Supramolecular Chemistry *13*	Theme: Advances in Synthetic Organic Chemistry *12*	Theme: Nanochemistry/Materials *10*
1600 - 1615	O3.214: Predictive Catalysis by DFT towards green chemistry. Presenter: Albert Poater - Spain	O3.629: A digitally developed LC-HRMS method for the analysis of fluorinated pharmaceuticals and pesticides integrating Design-of-Experiments and a peak-picking Python tool for enhanced analyte characterization Presenter: Eleonora Matić - Austria	**O3.713: A Supramolecular Approach to Combatting Antimicrobial Resistance** **Presenter: Robert Elmes - Ireland**	O3.313: Cell-free transcriptional systems for diagnostic applications Presenter: Simona Ranallo - Italy	O3.716: Investigation of porphyrin interactions with a mature miRNA: insights into secondary structures and stability modulation Presenter: Gabriele Trovaglante - Italy	O3.113: Synthesis of alpha-aryl stereocentres in nitrogen-containing heterocyclesvia decarboxylative asymmetric transformations Presenter: Niamh Lehane - Ireland	O3.513: SMART RHESINs: A Novel Superparamagnetic and Luminescent Bimodal Tracer Design for Future Quantitative Magnetic Particle Imaging (MPI) Presenter: Esther Rösch - Germany
1615 - 1630	O3.215: Quantitative structure/reactivity models for oxidative addition to Pd(0) - predicting outcomes and identifying mechanistic divergence Presenter: David Leitch - Canada	O3.630: Spatial and Temporal Analysis of Contaminants of Emerging Concern (CECs) in Dublin Bay: Presenting a Marine Biofilm as New Sampling Device Presenter: Enrique Diaz-Montaña - Ireland		O3.314: Sulfamido-carboranes theranostic agents for BNCT/MRI applications in mesothelioma treatment Presenter: Alberto Lanfranco - Italy	O3.717: A Water Soluble Star-polymer as a Photochemical-Scissor for Lysozyme Presenter: Lidia Mezzina - Italy	O3.114: Stereoselective decarboxylative carbon–carbon bond forming reactions using malonic acid half thioesters Presenter: Alan Healy - UAE	O3.514: Small materials to uptake Technology Critical Elements from waters Presenter: Daniela Tavares - Portugal
1630 - 1645	O3.216: Amine assisted direct air capture and integrated catalytic conversion of CO2 to cyclic carbonates Presenter: Jiyun Kim - Korea, Republic of	**O3.631: Controlling the surface of plasmonic nanomaterials for improved SERS and photocatalysis** **Presenter: Steven Bell - United Kingdom**	O3.714: Improved super-resolution imaging with cucurbituril-encapsulated fluorophores Presenter: Liza Briant - Switzerland	O3.315: [68Ga]-AsaGaDIPY, an efficient NIR-emitting OI/TEP innovative bimodal probe Presenter: Ewen BODIO - France	TBC	O3.115: In the CORE of Olefination Presenter: Kirill Nikitin - Ireland	O3.515: Playing at the surface of Halloysite Nanotubes by computational and experimental methods: from the neat clay to the decoration with gold nanoparticles. Presenter: Lorenzo Liuzzo - Italy
1645 - 1700	O3.217: Bifunctional anthracenyl Buchwald ligands for silver-free gold catalysis Presenter: Riccardo Parolin - United Kingdom		O3.715: Fluorescent bicolor indicators for Ba++ ion chelation in a dry medium Presenter: Fernando Auria-Luna - Spain	O3.316: Modulating Innate Immunity with small molecules: A New Generation Of Vaccine Adjuvants And Immunotherapeutics Presenter: Francesco Peri - Italy	TBC	TBC	TBC
1700 - 1715							
1715 - 1730	**Plenary Lecture** **Professor Dame Clare P. Grey** **PL-7: Towards a Net Zero World: Developing and applying new tools to understand how electrochemical devices function and fail**						
1730 - 1745							
1745 - 1800							
1800 - 1815							
1815 - 1830	**POSTER SESSION**						
1830 - 1845							

WEDNESDAY - 10TH JULY 2024

MORNING COFFEE BREAK

	Theme: Education, History, Culture Heritage, and Ethics in Chemistry *Understanding Research and Research Data, Inclusive Chemistry Education*	Theme: Energy, Environment and Sustainability *Biomass Valorisation 1*	Theme: Physical, Analytical and Computational Chemistry *Computational 7*	EYCN		Workshop	Mini-Symposium
1000 - 1015	O3.801: SERVICE LEARNING SCIENCE CAMPS AMONG TRIBALS AS A TOOL FOR CAPACITY BUILDING AMONG STUDENTS – A STEP TOWARD INCLUSIVE CHEMISTRY EDUCATION Presenter: Priya Augusthian - India	O3.408: Enhancing Indoor Perovskite Photovoltaic Performance via Surface Defect Passivation Utilizing Bilayer Hole Selection Layers Presenter: Chih-Ping Chen - Taiwan	O9.607:	EYCN: EuChemS Young Chemists' Award E3-1: EuChemS Young Chemists' Award Finalists' Presentations – Early-Career Level Presenters: EuChemS Young Chemists' Award Award Committee	INDUSTRY DAY	W3-1: Demystifying Scientific Collaborations: Strategies for Effective Partnerships in Research and Outreach Chairperson(s): Christina McCoy Presenters: Brandi Cossairt, Maria Laura Bolognesi, Guosong Chen, Niveen Khashab, William King	S3-1: Making chemistry greener: The next 25 years Chairperson(s): Emma Eley, Adelina Voutchkova Presenters: Walter Leitner, Peter Licence, C.J. Li, Iseult Lynch,
1015 - 1030	O3.802: Exploring the Barriers and Facilitators of Neurodivergent Learners in Tertiary Chemistry Education. Presenter: Niamh O'Mahoney - Ireland	O3.409: Sustainable, Low-Cost Route to Cellulose Nanocrystals by Electrochemical Oxidation Presenter: Neptun Yousefi - Finland	O9.608: An ab initio insight into the chemistry of ALD precursors for the growth of GeAsSe films Presenter: Bram van der Linden - Belgium				
1030 - 1045	O3.803: NFDI4Chem: Fostering the Cultural Change in Chemistry towards FAIR Data Presenter: John Jolliffe - Germany	O3.410: Graphene Derivatives for Energy Storage Presenter: Michal Otyepka - Czech Republic	O9.609: Iridium and ruthenium complexes with AIE properties from theoretical perspective Presenter: Maria Jaworska - Poland				
1045 - 1100	O3.804: How to educate and train chemists and future researchers to manage their research data Presenter: Jochen Ortmeyer - Germany	O3.411: Ceramic fillers incorporated Polyvinylidene Fluoride and Nylon-6 Polymer nanocomposites for Self-powered Triboelectric nanogenerators (TENGs) Presenter: Irthasa Aazem - Ireland	O9.610: It's not a S(E2)CAM! Many-body methods for surface chemistry have come of age! Presenter: Benjamin Shi - United Kingdom				
1100 - 1115	O3.805: Evolution of the individual and collective human consciousness as the basis for scientific inquiry Presenter: Hans W. Steinlinger - Germany	O3.412: A Hydroxylated Pendant Charged Substituent for a new Generation of Organic Redox-Active Molecules for pH-neutral Aqueous Flow Batteries Presenter: Carlo Casarrubio - Germany	O9.611: Unveiling Earth's phosphorus dawn and fate: computational explorations of P-bearing mineral surfaces in the tapestry of prebiotic chemistry Presenter: Marta Corno - Italy				
1115 - 1130		O3.413: Atomically-precise all-in-One precursor for in-situ preparation of highly graphitized carbon-coated LFP cathodes Presenter: Evgeny Dikarev - USA	O9.612: Unveiling new insight on oxygen release at tri02 interface via an embedded multireference approach Presenter: Francesca Fasulo - Italy				
1130 - 1145	O3.806: Evaluating the Impact of Project-Based Learning in Supporting Students with the A-Level Chemistry Curriculum in Northern Ireland Presenter: Shannon McLaughlin - United Kingdom	O3.414: Use of Cu(I)-I coordination compounds to substitute lanthanide compounds as downshifters for the increase of efficiency of photovoltaic modules Presenter: Ricardo Garsed - Spain	O9.613: Exploring the photomagnetism dynamics of Manganese(III) single molecule magnets Presenter: Julien Eng - United Kingdom				
1145 - 1200		O3.415: Electrolyte additive's influence on the Mg plating/stripping kinetics in rechargeable Mg batteries Presenter: Moeth Redi - France	O3.614: Many-Electron Approaches to Electron Transport in Single-Molecule Junctions Presenter: Péter Szalay - Hungary				
1200 - 1215							
1215 - 1230							
1230 - 1245							
1245 - 1300							
1300 - 1315							
1315 - 1330							

POSTER SESSION | EXHIBITION & LUNCH

ECC-9 Congress Programme 10th June 2024

Subject to change

WEDNESDAY - 10TH JULY 2024

	Theme: Education, History, Culture Heritage, and Ethics in Chemistry *Ethics and Education in Chemistry*	Theme: Energy, Environment and Sustainability *Biomass Valorisation 2*	Theme: Physical, Analytical and Computational Chemistry *Physical and Analytical 6*	EYCN		Mini-Symposium	Mini-Symposium
1330 - 1345	**O3.807: The shifting ethical considerations of chemical education research** **Presenter: Keith Taber - United Kingdom**	O3.422: Heteroatom doped carbon-based materials as non-precious metal catalysts for electrocatalytic hydrogenation of biomass-derived organics Presenter: Filippo Pota - Ireland	O3.621: Additive manufacturing technologies for the development of novel boron-doped diamond-based electrodes Presenter: Simona Baluchová - Czech Republic	EYCN: EuChemS Young Chemists' Award E3-2: EuChemS Young Chemists' Award Finalists' Presentations – PhD Level Presenters: EuChemS Young Chemists' Award Award Committee	INDUSTRY DAY	S3-2: FAIR Data for Chemistry: National Infrastructures, Standards, Tools and Resources Chairperson(s): John Jolliffe Presenters: John Jolliffe, Nicola Knight, Jochen Ortmeyer, Samantha Pearman-Kanza	S3-3: Molecular Quantum Technologies Chairperson(s): Joris van Slageren Presenters: Floriana Tuna, Núria Crivillers, Sofie Cambré, Fernando Luis
1345 - 1400		O3.423: Efficient ruthenium-catalyzed Guerbet reaction for the upgrading of bioethanol to Higher Alcohols: a sustainable approach to biofuel production Presenter: Andrea Piazzi - Italy	O3.622: An Electroactive Graphene-based Bio-Inks for the Manufacture of Fully Inkjet-Printed Paper-Based Analytical Devices Presenter: Alessandro Silvestri - Italy				
1400 - 1415	O3.808: Badging of a suite of micro-skills: a pedagogic approach to promote skill recognition and celebrate achievement in an undergraduate organic chemistry laboratory Presenter: Frances Heaney - Ireland	O3.424: Synthesis of new biosourced terpene-epoxy materials using flow chemistry Presenter: Maria Zakharova - Canada	O3.623: High throughput size resolved elemental analysis of nanoparticles using SMPS-ICP-MS Presenter: Laura Torrent - Switzerland				
1415 - 1430	O3.809: A mixed method, multi-phase case study that explores the factors that influence success in higher order problem-solving task in Chemistry. Presenter: Michelle Bolger - Ireland	O3.425: HMF valorization through electrochemical methods Presenter: Elena Mas-Marzá - Spain	O3.624: Radical stability enhancement through conformational tuning Presenter: Marius Haugland - Norway				
1430 - 1445	O3.810: A comparison of the range of cognitive demands of written high-stakes Irish Senior Cycle Chemistry examinations to similar written examinations in other countries. Presenter: Damienne Letmon - Ireland	O3.426: Enzyme immobilisation as a central tool for bioprocess optimisation Presenter: Sebastian Cosgrove - United Kingdom	O3.625: HYBRID POROUS MATERIAL SUPPORTED IN A CELLULOSE ACETATE POLYMERIC MEMBRANE FOR THE DIRECT IMMERSION THIN-FILM MICROEXTRACTION OF PARABENS IN WATER Presenter: Philiswa Nomngongo - South Africa				
1445 - 1500	O3.811: Elsevier's Chemistry ecosystem Presenter: Giulia Moncelsi - Netherlands	O3.427: On the use of life cycle assessment to quantify the environmental impact of cellulose-based materials for cultural heritage conservation Presenter: Erlantz Lizundia - Spain	O3.626: Android Voltammetry: Instrument-free electrochemical sensing with a mobile phone. Presenter: Conor Hogan - Australia				
1500 - 1515	**O3.812: Professional ethics - a matter of education** **Presenter: Anca Silvestru - Romania**	O3.428: Structural Modification of Bimetallic Pd-Pt Heterogeneous Catalysts for Efficient and Selective Hydrodeoxygenation of Biomass-Derived Building Blocks Presenter: Gianvito Vilé - Italy	O3.627: Get it before you need it: a fully-automated data pipeline for physical property predictions Presenter: Maxime Tarrago - United Kingdom				
1515 - 1530		Flash Session 2	TBC				
1530 - 1545	**AFTERNOON COFFEE BREAK**						
1545 - 1600							
	Theme: Education, History, Culture Heritage, and Ethics in Chemistry *Irish Contributions to Science, History of Chemistry and Education*	Theme: Energy, Environment and Sustainability *Towards Circular Carbon*	Theme: Physical, Analytical and Computational Chemistry	EYCN		Theme: Catalysis	Theme: Nanochemistry/Materials *11*
1600 - 1615	**Invited lecture** **Sheila Donegan, Eoin Gill** **O3.813: Notable Irish contributions to science**	**EuChemS Lecture Award 2022** **Dr. Athina Anastasaki** **A-04: PhotocatalyticATRP and RAFT Depolymerization: Temporal Regulation at low Catalyst Loadings**	O3.632: Cathodic Hydride Formation and Structure–Activity Relations in Hydrogen Evolution Reaction on Palladium Surface Presenter: Apinya Ngoipala - Ireland	EYCN: Career Development and New Skills E3-3: Artificial Intelligence in Chemistry Presenters: Willeke Bakker Mijnlieff, Kate Bromfield, Zakaryia El-Machachi	INDUSTRY DAY	: ArtScience De Stijl – Analyzing, Quantifying, and Visualizing Molecular Shape **Presenter: Mathias Senge - Ireland**	O3.517: Surface functionalization of halloysite clay nanotubes by biological macromolecules: novel nanoplatforms for biomedical applications Presenter: Giuseppe Cavallaro - Italy
1615 - 1630			O3.633: Hydrogen Isotopes in Nuclear Fusion-Relevant Materials: from the atom to the macroscopic scale Presenter: Yves Ferro - France				O3.518: POLYOXOMETALATE-IONIC LIQUIDS ON INORGANIC MEMBRANES FOR MICRO/NANO PLASTIC REMOVAL FROM WASTEWATER Presenter: Nicolás Gracia-Vallés - Spain
1630 - 1645	O3.814: A short history of Chemistry in Belfast: From Andrews to Zeolites Presenter: Kevin Morgan - United Kingdom	**O3.430: Lignin-based fuels, chemicals and polymers: integrated biorefineries and circularity** **Presenter: Konstantinos Triantafyllidis - Greece**	O3.634: Electronic and ensemble effects in PdCu alloys: From bulk and dilute surface alloys down to the single atom limit Presenter: Lars Grabow - USA			: Targeting Phosphorus as a Main Group Catalyst - Synthesis of Novel Phosphenium Cations Presenter: Thomas Hooper - Ireland	O3.519: Synthesis and Solid State NMR Characterisation of new Polyketone-based Anion Exchange Membranes Presenter: Andrea Giovanelli - Italy
1645 - 1700	O3.815: A flow chemical laboratory practice: synthesis of paracetamol Presenter: Erika Bálint - Hungary		TBC			: Asymmetric Synthesis of Quaternary α-Aryl Stereocenters in Benzofuran-3(2H)-ones using Decarboxylative Asymmetric Allylic Alkylation Presenter: Fionn McNeill - Ireland	O3.520: Advancing Energy and Biomaterial Applications: Synergistic Enhancement through Atomic Layer Deposition in Nanocomposites Presenter: Igor Iatsunskyi - Poland
1700 - 1715							
1715 - 1730							
1730 - 1745							
1745 - 1800							
1800 - 1815							
1815 - 1830	**POSTER SESSION**						
1830 - 1845							