



Wednesday 12 July 2023 (all timings are in BST)

11:30	Registration and refreshments
12:00	Lunch
12:45	Welcome and introductions Shelley Minter, <i>Chair of Scientific Committee</i>
12:55	Outline of Discussion format <i>Royal Society of Chemistry Publishing Editors</i>
13:00	Introductory lecture (Session chair: Kevin Moeller) Toshio Fuchigami <i>Tokyo Institute of Technology, Japan</i>
14:00	Comfort break (no refreshments)
	Session 1: Selective organic electrosynthesis (Session chairs: Kevin Moeller)
14:15	Magnetic field-enhanced redox chemistry on-the-fly for enantioselective synthesis Alexander Kuhn <i>University of Bordeaux, France</i>
14:20	Electrochemical hydrogen isotope exchange of amines controlled by alternating current frequency Long Luo <i>Wayne State University, USA</i>
14:25	Electrochemical synthesis of protected cyclic (1,3;1,6)-β-glucan dodecasaccharide Toshiki Nokami <i>Tottori University, Japan</i>
14:30	Discussion
15:45	Break
	Session 2: Interdisciplinary electrosynthesis (Session chairs: Shinsuke Inagi)
16:15	Photoelectro-catalyzed undirected C–H trifluoromethylation of arenes: catalyst evaluation and scope Lutz Ackermann <i>University of Goettingen, Germany</i>
16:20	Impact of sodium pyruvate on the electrochemical reduction of NAD⁺ biomimetics David Hickey <i>Michigan State University, USA</i>
16:25	Effect of [Na⁺]/[Li⁺] ratio of concentrations in brines on lithium carbonate production through membrane electrolysis Victoria Flexer <i>CONICET-Universidad Nacional de Jujuy, Argentina</i>
16:30	Discussion
17:45	Lightning presentations (by invitation of the Scientific Committee) Session chair: Shelley Minter
18:00	Poster session and wine reception
19:30	Close of session

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	Session 3: Understanding and controlling organic electrocatalysis mechanism (Session chair: Kevin Lam)
09:00	Mechanistic studies of Ni-catalyzed electrochemical homo-coupling reactions of aryl halides T. Leo Liu* <i>Utah State University, USA</i>
09:05	Exploring electrolyte effects on metal-alkyl bond stability: impact and implications for electrocatalysis Dylan Boucher <i>University of Utah, USA</i>
09:10	Selective electrocatalysis of platform chemicals from the electrocatalytic reforming of biomass-derived hexanediol Yun-Ju Liao National Cheng Kung University, Taiwan
09:15	Discussion
10:30	Break
	Session 4: New strategies in organic electrocatalysis (Session chair: Shinsuke Inagi)
11:00	Dihydrolevoglucosenone (Cyrene®): a new possibility of environmentally compatible solvent in synthetic organic electrocatalysis Bernardo A. Frontana-Urbe <i>Instituto de Quimica-CCIQS/UNAM, Mexico</i>
11:05	Electroorganic synthesis in aqueous solution via generation of strongly oxidizing and reducing intermediates Seyyedamirhossein Hosseini* <i>University of Utah, USA</i>
11:10	Discussion
12:00	Lunch
	Session 5: Materials for electrocatalysis (Session chair: Robert Francke)
14:00	Core-shell nanostructured Cu-based bi-metallic electrocatalysts for co-production of ethylene and acetate Jeannie Tan <i>Heriot-Watt University, UK</i>
14:05	Self-assembly of random networks of zirconium-doped manganese oxide nanoribbons and poly(3,4-ethylenedioxythiophene) flakes at water/chloroform interface Mini Mol Menampambath <i>National Institute of Technology, Calicut, India</i>
14:10	Discussion
15:00	Break

	Session 6: Electrofuels (Session chair: Shelley Minter)
15:30	Applications for bio-oil upgrading: electrochemical decarboxylation of acetic acid on boron-doped diamond and platinum nanoparticles functionalised BDD Talal Ashraf <i>University of Twente, Netherlands</i>
15:35	Utilisation and valorisation of distillery whisky waste streams via biomass electrolysis: electrosynthesis of hydrogen Robert Price <i>University of Strathclyde, UK</i>
15:40	Discussion
16:30	Close of sessions
18:30	Pre-dinner drinks
19:00	Conference dinner

Friday 14 July 2023 (all timings are in BST)

	Session 7: Flow cells and reactor design (Session chair: Lam)
10:00	Alkene reactions with superoxide radical anions in flow electrochemistry Thomas Wirth <i>University of Cardiff, UK</i>
10:05	Spatio-temporal detachment of homogeneous electron transfer in controlling selectivity in mediated organic electrosynthesis Richard Brown <i>University of Southampton, UK</i>
10:10	Primary vs. Secondary Alkylpyridinium Salts: A Comparison under Electrochemical and Chemical Reduction Conditions Dipannita Kalyani* <i>Merck, USA</i>
10:15	Discussion
11:30	Concluding remarks lecture (Session Chair: Robert Francke) Kevin Moeller <i>Washington University in St Louis, United States</i>
12:10	Acknowledgements and poster prize presentation
12:15	Close of meeting and lunch

* Speaker will present virtually

Please note as this is a draft programme some timings and titles may be subject to change.