Monday 14 September 2026

11:30	Registration with lunch served from 11:45
12:45	**Welcome and introductions** Mercedes Maroto-Valer *Chair of Scientific Committee*
12:55	**Outline of Discussion format** Emma Carlisle and Rob Hinde *Royal Society of Chemistry Publishing Editors*
13:00	**Introductory Lecture – Spiers Memorial Lecture** (Session chair: Mercedes Maroto-Valer) André Bardow *ETH, Zurich*
	Session 1: Power to hydrogen (Session chair: Kevin Lam)
14:00	**Comparing electro- and thermo-catalytic ammonia decomposition, a crucial component in the green ammonia value chain as an H_2 vector** Gianfranco Giorgianni, Salvatore Abate, Gabriele Centi, Daivide Cosio *University Messina, Italy*
14:05	**Role of iron incorporation in the structural and chemical stability of spinel cobalt oxide under oxygen evolution reaction conditions in neutral media** Etsushi Tsuji *Tottori University, Japan*
14:10	Discussion
15:00	Refreshments
	Session 1 continued: Power to hydrogen (Session chair: Kevin Lam)
15:30	**From amorphous to crystalline: the impact of crystallisation on iron-nickel boride electrocatalysts** Veronica Sofianos *University College Dublin, Ireland*
15:35	**Electrolysis without electrodes: thermodynamic and kinetic insights into decoupled alkaline water electrolysis** Kathryn Toghill *Lancaster University, UK*
15:40	Discussion
16:30	Lightning presentations – (by invitation of the Scientific Committee)
16:45	Poster session and drinks reception
18:15	Close

Sustainable chemistry of electrofuels and electrochemicals
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Faraday Discussions

Tuesday 15 September 2026

	Session 1 continued: Power to hydrogen (Session chair: Jose Serra)
09:00	**Metal supported solid oxide technology for green hydrogen and sustainable electrofuels and electrochemicals** Subhasish Mukerjee *Ceres Power, UK*
09:05	**Glucose electrooxidation reaction on Ni-based nanocatalysts for replacing OER in alkaline electrolyser** Teko Napporn *Universite de Poitiers, France*
09:10	Discussion
10:00	Refreshments
	Session 2: Power to hydrocarbons (Session chair: Jose Serra)
10:30	**Multiscale-particle organic hybrid materials as electrolyte additives for electrocatalytic reactive carbon capture** Alissa Park *UCLA Samueli School of Engineering, USA*
10:35	**Interfacial engineering for redirecting CO_2 electroreduction selectivity on boron-doped diamond: from formic acid to carbon monoxide** Takashi Yamamoto *Keio University, Japan*
10:40	**Kinetically controlled proton removal via bio-inspired hybrid bilayer membrane functionalized electrode for ethylene glycol oxidation to generate C2 products** Edmund Tse *University of Hong Kong, Hong Kong*
10:45	**Fractal flow field architectures for enhanced transport and performance in electrochemical CO_2 reduction flow cells** Ignacio (Nacho) Tudela-Montes, Abdullah A. Alyahya *The University of Edinburgh, UK*
10:50	Discussion
12:30	Lunch
	Session 2 continued: Power to hydrocarbons (Session chair: Jeannie Tan)
13:30	**Investigating halogen-bond-mediated through-space activation of CO_2 for electrocatalytic reduction by iron porphyrins** Niklas von Wolff *Sorbonne University, France*
13:35	**Influence of Cu and oxide content in CuAl Layered Double Hydroxides on C_{2+}-selective CO_2 electroreduction** Asier Grijalvo Rodriguez *Vito & Ghent University, Belgium*
13:40	**Induction heated catalysts systems for intermittent power to hydrocabons and hydrogen** John Andresen *Heriot-Watt University, UK*
13:45	**Effect of Fe on Ni-based catalysts for electrochemical glycine oxidation to ammonia**

	Marta Hatzell *Georgia Institute of Technology, USA*
13:50	Discussion
15:30	Refreshments
	Session 3: Power to ammonia (Session chair: Jeannie Tan)
16:00	**Catalyst-driven pathways to novel reactors for green ammonia synthesis** Lukas Gottheil *Clausthal University of Technology, Germany*
16:05	**Electrolyte and gas flow rate balance in flow cells for lithium-mediated ammonia electrosynthesis** Anna Mangini *Politecnico di Torino, Italy*
16:10	**Photoinduced structural modulation of CuO/C photocathode governs product selectivity in photoelectrochemical nitrate reduction** Neena John *Centre for Nano and Soft Matter Sciences, India*
16:15	Discussion
17:30	Close of session
18:30	Pre dinner drinks
19:00	Conference dinner

Wednesday 16 September 2026

	Session 4: Sustainability challenges of e-fuels and e-chemicals (Session chair: Petra Zapp)
09:00	**E-fuels for maritime decarbonisation: a well-to-wake life cycle perspective on pathway readiness and policy alignment** Marcelle MacManus *University of Bath, UK*
09:05	**Competing pathways in electrocarboxylation on copper electrode: defining reactivity regimes through substrate activation and CO_2 reduction** Amanda Garcia *University of Amsterdam, The Netherlands*
09:10	Discussion
10:00	Refreshments
	Session 4 continued: Sustainability challenges of e-fuels and e-chemicals (Session chair: Petra Zapp)
10:30	**Nitrogen-doped iron-cobalt alloy and tungsten oxide composites: active electrocatalysts for alkaline hydrogen evolution** Rachel Caruso *RMIT University, Australia* **THIS PAPER WILL NOT BE PRESENTED IN PERSON**
10:35	**Supporting-electrolyte-free electrosynthesis of hydroquinone in solid polymer electrolyte electrolyzers** Naoki Shida *Yokohama National University, Japan*
10:40	**Leveraging co-operative redox enhancement (CORE) for efficient electrochemicals production** Steven McIntosh *Lehigh University, USA*
10:45	**Discussion**
12:00	**Concluding remarks lecture** (Session chair: Mercedes Maroto-Valer) Nigel Brandon *Imperial College London, UK*
12:30	**Acknowledgements and presentation of poster prizes**
12:40	**Close of meeting and lunch**