



**Monday 2 September**

11:30	Registration, Tea and Coffee	
12:00	Lunch	
12:45	<b>Welcome and Introductions</b> Jason Lynam and John Slattery, <i>Co-Chairs of Scientific Committee</i>	
12:55	<b>Outline of Discussion Format</b> Susannah Davies and Jamie Purcell, <i>Royal Society of Chemistry Publishing Editors</i>	
13:00	<b>Introductory Lecture</b> (Session Chair: John Slattery) Robert Morris <i>University of Toronto, Canada</i>	
	<b>Session 1: Physical methods for mechanistic understanding</b> Session Chair: John Slattery	
14:00	<b>Towards measuring reactivity on micro-to-millisecond timescales with laser pump, NMR probe spectroscopy</b> Meghan Halse <i>University of York, UK</i>	<b>Paper</b> 25949
14:05	<b>Insight into Catalyst Speciation and Hydrogen Co-Evolution during Enantioselective Formic Acid-driven Transfer Hydrogenation with Bifunctional Ruthenium Complexes from Multi-technique operando Reaction Monitoring</b> Ulrich Hintermair <i>University of Bath, UK</i>	<b>Paper</b> 25717
14:10	Discussion	
15:00	Afternoon tea	
	Session Chair: Odile Eisenstein	
15:30	<b>Bambusurils as a mechanistic tool for probing anion effects</b> Jana Roithová <i>Radboud University, Nijmegen</i>	<b>Paper</b> 25950
15:35	<b>Kinetic analysis of bioorthogonal reaction mechanisms using Raman microscopy</b> Alison Hulme <i>University of Edinburgh, UK</i>	<b>Paper</b> 25749
15:40	<b>The effect of coordination of Alkanes, Xe and CO<sub>2</sub> (<math>\eta^1</math>-OCO) on Changes in Spin State and Reactivity in Organometallic Chemistry: A Combined Experimental and Theoretical Study of the Photochemistry of CpMn(CO)<sub>3</sub></b> Michael George <i>University of Nottingham, UK</i>	<b>Paper</b> 25721
15:45	Discussion	
	Session Chair: John Slattery	
17:00	<b>Highlights from the host institution</b> Ian Fairlamb <i>University of York, UK</i>	<b>Local context</b>
17:30	Lightning presentations (by invitation of the scientific committee)	
18:00	Poster Session and Wine Reception	

**Tuesday 3 September**

	Session Chair: Ian Fairlamb	
09:00	<b>Revealing the Reduction Process of Cu(II) by Sodium Bis(trimethylsilyl)amide</b> Aiwen Lei <i>Wuhan University</i>	<b>Paper</b> 25956
09:05	<b>Hard X-ray spectroscopy: An exhaustive toolbox for mechanistic studies (?)</b> Matthias Bauer <i>University of Paderborn, Germany</i>	<b>Paper</b> 25722
09:10	<b>Exploring ligand-induced backdonation using X-ray spectroscopic methods</b> Pierre Kennepohl <i>The University of British Columbia, Canada</i>	<b>Paper</b> 25853
09:15	Discussion	
10:30	Morning tea	
	<b>Session 2: Mechanistic insight into organic and industrial transformations</b> Session Chair: Laurel Schafer	
11:00	<b>Kinetics of Initiation of the Third Generation Grubbs Metathesis Catalyst: Convergent Associative and Dissociative Pathways</b> Guy Lloyd-Jones <i>University of Edinburgh, UK</i>	<b>Paper</b> 25955
11:05	<b>Isolation of C3-Metalated Indolizine Complex and Phosphonium Ring-Fused Bicyclic Metallafuran from Osmium-Induced Transformation of Pyridine-Tethered Alkynes</b> Chun-Yuen Wong <i>City University of Hong Kong, Hong Kong</i>	<b>Paper</b> 25704
11:10	<b>Catalyst Design Insights from Modelling a Titanium-Catalyzed Multicomponent Reaction</b> Aaron Odom <i>Michigan State University, USA</i>	<b>Paper</b> 25706
11:15	Discussion	
12:30	Lunch	
	Session chair: Youichi Ishii	
14:00	<b>Benefit of a Hemilabile Ligand in Deoxygenation of Fatty Acids to 1-Alkenes</b> Vidar R. Jensen <i>University of Bergen, Norway</i>	<b>Paper</b> 25944
14:05	<b>Diruthenium Complexes Having a Partially Hydrogenated Bipyridine Ligand: Plausible Mechanism for the Dehydrogenative Coupling of Pyridines at a Diruthenium Site</b> Toshiro Takao <i>Tokyo Institute of Technology, Japan</i>	<b>Paper</b> 25707
14:10	<b>Investigations Into the Mechanism of Copper-Mediated Glaser-Hay Couplings Using Electrochemical Techniques</b> Peter Seavill <i>University College London, UK</i>	<b>Paper</b> 25873
14:15	Discussion	
15:30	Afternoon Tea	
	<b>Session 3: Understanding unusual element-element bond formation and activation</b> Session Chair: Robin Perutz	
16:00	<b>Platinum-mediated B-H methoxylation of bis(pyrazolyl)borate</b> Jennifer Love <i>The University of British Columbia, Canada</i>	<b>Paper</b> 25951
16:05	<b>Activation of tetrafluoropropenes by rhodium(I) germyl and silyl complexes</b> Thomas Braun	<b>Paper</b> 25952

	<i>Humboldt-Universität zu Berlin, Germany</i>	
16:10	<b>FBpin and its Adducts and their Role in Catalytic Borylations</b> Todd Marder <i>Julius-Maximilians-Universität Würzburg, Germany</i>	<b>Paper</b> 25939
16:15	<b>Metal–ligand cooperative C–O bond cleavage of propargylic alcohol with protic pyrazole complexes of ruthenium</b> Shigeki Kuwata <i>Tokyo Institute of Technology, Tokyo</i>	<b>Paper</b> 25710
16:20	Discussion	
18:00	Close of sessions	
18:30	Pre-Dinner Drinks	
19:00	Conference Dinner	

### Wednesday 4 September

	<b>Session 4: Computational and theoretical approaches for mechanistic understanding</b> Session Chair: Natalie Fey	
9:00	<b>Understanding Electronic Effects on Carboxylate-Assisted C–H Activation at Ruthenium: The Importance of Kinetic and Thermodynamic Control</b> Stuart Macgregor <i>Heriot-Watt University, UK</i>	<b>Paper</b> 25953
9:05	<b>Elucidating Cation Effects in Homogeneously Catalyzed Formic Acid Dehydrogenation</b> Evert Jan Meijer <i>University of Amsterdam, Netherlands</i>	<b>Paper</b> 25718
9:10	<b>Molecular Dynamics Analysis of the Cationic Cp*(PMe<sub>3</sub>)Ir(CH<sub>3</sub>) Methane C–H Activation Mechanism</b> Daniel Ess <i>Brigham Young University, USA</i>	<b>Paper</b> 25807
9:15	Discussion	
10:30	Morning Tea	
	Session Chair: Jason Lynam	
11:00	<b>Suzuki-Miyaura Coupling Revisited: An Integrated Computational Study</b> Jeremy Harvey <i>KU Leuven, Belgium</i>	<b>Paper</b> 25954
11:05	<b>The Electrostatic Potential as a Descriptor for the Protonation Propensity in Automated Exploration of Reaction Mechanisms</b> Markus Reiher <i>ETH Zurich, Switzerland</i>	<b>Paper</b> 25713
11:10	Discussion	
12:00	<b>Concluding Remarks Lecture</b> (Session Chair: Jason Lynam) Odile Eisenstein <i>CNRS, Université de Montpellier, France and University of Oslo, Norway</i>	
12:40	<b>Acknowledgements</b>	
12:45	<b>Close of meeting</b>	

Please note that this is a draft programme and timings may change.