



Monday 10 April

10:00	Registration
11:00	Welcome – Richard Layfield
	Session 1: Metals in Biology and Medicine Chair: Richard Layfield
11:15	Advanced X-ray spectroscopic studies of biological dinitrogen reduction (Plenary 1) Serena DeBeer <i>Max Planck Institute for Chemical Energy Conversion, Germany</i>
12:00	Metal-Organic Frameworks and Polymetallic Dendrimer Complexes: New Perspectives for Near-infrared Imaging Based on Lanthanides Stephane Petoud <i>University of Geneva, Switzerland</i>
12:20	The manganese cluster of photosynthetic water oxidation: from spectroscopy and magnetism to mechanistic principles Dimitrios Pantazis <i>Max Planck Institute for Chemical Energy Conversion, Germany</i>
12:40	Lunch
	Session 1 continued: Metals in Biology and Medicine Chair: Claudio Verani
13:40	Supramolecular designed luminescent targeting probes and imaging nanoagents for bio-applications (Plenary 2) Thorri Gunnlaugsson <i>Trinity College Dublin, Ireland</i>
14:25	Bis-picolinamide ruthenium (III) dihalide complexes showing trans isomer to have high potency and cancer cell selectivity Rianne Lord <i>University of Bradford, UK</i>
14:45	Sulfur-Supported Iron Complexes as Mimics for Nitrogenase Spectroscopy and Reactivity (Plenary 3) Patrick Holland <i>Yale University, USA</i>
15:30	Coordination of Zn(II) with human and murine Amyloid beta Valentina Borghesani <i>Laboratoire de Chimie de Coordination – CNRS, France</i>
15:50	Flash Poster Session (by invitation only)
16:10	Coffee Break and Poster Session (odd numbered posters)
	Session 2: Main Group Chemistry Chair: Jose Goicoechea
17:25	Silicon/boron exchange routes to organoboron polymers Holger Helten <i>RWTH Aachen University, Germany</i>
17:45	Main Group Chemistry Award 2016 Lecture Nucleophilic Boron: The Easy Way (Plenary 4) Michael Hill

	<i>University of Bath, UK</i>
18:30	Close

Tuesday 11 April

	Session 2 continued: Main Group Chemistry Chair: Laurel Schafer
09:00	Super Bulky Amides: New Ligands for the Stabilization of Synthetically Applicable Low-Valent Main Group Complexes (Plenary 5) Cameron Jones <i>Monash University, Australia</i>
09:45	Snapshots in the coordination and activation of E-H bonds (E = B, Al, Ga) at transition metal centres Simon Aldridge <i>University of Oxford, UK</i>
10:05	Homo vs heterometallic main group derivatives as catalysts in controlled polymerization processes Marta Elena Gonzalez Mosquera <i>Universidad de Alcalá, Spain</i>
10:25	Coffee Break
	Session 2 continued: Main Group Chemistry Chair: David Liptrot
11:05	New Reactions Using Masked Doubly Bonded Aluminum Species (Plenary 6) Norihiro Tokitoh <i>Kyoto University, Japan</i>
11:50	Alkaline earth complexes stabilised by secondary interactions: Design and catalytic activity in heterodehydrocoupling reactions Yann Sarazin <i>Université de Rennes 1, France</i>
12:10	Lunch
	Session 3: Organometallic catalysis and Small-Molecule Activation Chair: Andrew Weller
13:30	Hydroamination and Small Molecule Activation Induced by Lanthanides (Plenary 7) Peter Roesky <i>Karlsruhe Institute of Technology, Germany</i>
14:15	1,3-N,O-Chelated Complexes of Early and Late Transition Metals. Accessing Metal-Ligand Cooperativity in Element-Hydrogen Bond Activation Laurel Schafer <i>University of British Columbia, Canada</i>
14:35	Donor-Flexible Designer Ligands for Oxidation Catalysis Martin Albrecht <i>University of Bern, Switzerland</i>
14:55	Flash Poster Session (by invitation only)
15:15	Coffee Break and Poster Session (even numbered posters)
	Session 3 continued: Organometallic catalysis and Small-Molecule Activation Chair: Robin Perutz
16:30	Intermediates and Mechanism in Iron-Catalyzed Cross-Coupling Michael Neidig <i>University of Rochester, USA</i>
16:50	Understanding NMR Chemical Shifts in Organometallic Complexes: the molecular orbital saying (Plenary 8)

	Odile Eisenstein <i>CNRS, France</i>
17:35	Close of sessions
	Free evening

Wednesday 12 April

	Session 3 cont'd: Organometallic catalysis and Small-Molecule Activation Chair: Ruth Webster
09:25	Molecular Modelling of Organometallic Reactivity in the Solid-State Tobias Kraemer <i>Heriot-Watt University, UK</i>
09:45	Electronic structure analysis of transition metal dimers for dinitrogen photocleavage Vera Krewald <i>University of Vienna, Austria</i>
10:05	Coffee Break
	Session 4: India-UK research and collaborations Chair: Richard Layfield
10:35	The Royal Society of Chemistry in India Michaela Muehlberg <i>Royal Society of Chemistry</i>
10:40	SBU engineered <i>ab initio</i> synthesis of framework zinc phosphates (Plenary 10) Ramaswamy Murugavel <i>Indian Institute of Technology Bombay, India</i>
11:25	Two Photon Optical Imaging of Uranyl: From First Principles to Applications Louise Natrajan <i>The University of Manchester, UK</i>
11.45	Role of transition metals in cluster architectures: A new journey towards supraicosahedral clusters (Plenary 11) Sundargopal Ghosh <i>Indian Institute of Technology Madras, India</i>
12:30	Lunch
	Session 5: Functional Inorganic Materials Chair: Annie Powell
13:30	Compositional complexity in nanoparticles of earth abundant elements for photovoltaics (Plenary 12) Amy Prieto <i>Colorado State University, USA</i>
14:15	Coinage Metal Carbene Complexes for Highly Efficient Light-Emitting Diodes based on Intramolecular Rotation Alexander Romanov <i>University of East Anglia, UK</i>
14:35	Magnetic and Luminescent Properties Tuned by Guest Molecules in Lanthanide Metal-Organic Frameworks Wei Shi <i>Nankai University, China</i>
14:55	Tea
	Session 5 continued: Functional Inorganic Materials Chair: Nicholas Fletcher
15:20	Molecular Diodes, Corrosion Inhibitors, and Water-splitting Catalysts Claudio Verani <i>Wayne State University, USA</i>
15:40	Functional Porous Inorganic Catalysts for Catalytic Biomass Upgrading Sihai Yang

	<i>University of Manchester, UK</i>
16:00	Applying Inorganic Chemistry to Challenges in Physics (Plenary 13) Danna Freedman <i>Northwestern University, USA</i>
16:45	Close
18:30	Conference dinner – Tickets to be purchased separately

Thursday 13 April

	Session 6: Spectroscopy and Magnetism of Coordination Compounds Chair: David Mills
09:00	Funny shaped balls: exploring and exploiting the properties of lanthanide ions (Plenary 14) Stephen Faulkner <i>University of Oxford, UK</i>
09:45	Tricoordinated Radical-Bridged Metal Complexes of Hexaazatrinaphthylene Jani O. Moilanen <i>University of Jyväskylä, Finland</i>
10:05	Luminescent Ytterbium-based Single Molecule Magnets Fabrice Pointillart <i>University of Rennes 1 & CNRS, France</i>
10:25	Coffee Break
	Session 6 continued: Spectroscopy and Magnetism of Coordination Compounds Chair: Nikolas Kaltsoyannis
11:00	ZnII/LnIII and GaIII/LnIII Metallocrowns as Visible and Near-Infrared Probes for Biological imaging Svetlana Eliseeva <i>CNRS, Center for Molecular Biophysics, France</i>
11:20	Computational Prediction of Paramagnetic NMR Spectra of f-element Complexes Helen Moylan <i>University of Manchester, UK</i>
11:40	Cerium Coordination Chemistry Toward Applications in Photophysics and Photoredox Chemistry (Plenary 15) Eric Schelter <i>University of Pennsylvania, USA</i>
12:25	Closing Remarks from Richard Layfield, and Lunch