

Meeting of Inorganic Chemists
Recently Appointed
MICRA 2018

Cardiff University
9th – 12th September



MICRA 2018 Programme

Day 0 – Sunday, 9th September 2018

Time	Event
19:00-19:30	Conference Registration
19:30-21:00	Welcome drinks reception Kindly sponsored by the RSC South East Wales Local Section Location: Foyer, School of Chemistry, Main Building , Cardiff University CF10 3AT

Day 1 – Monday, 10th September 2018

Time	Event
08:30 - 09:10	Conference Registration in The Forum, in the School of Engineering
08:55 - 09:00	Welcome to both conferences by Prof. Sam Evans, Head of School of Engineering
09:10 - 09:15	Welcome to MICRA
Session 1	Chair: Sophie Benjamin
09:15 - 09:40	Jennifer A. Garden , University of Edinburgh <i>Iron and Aluminium Complexes in Small and Macro-molecule Catalysis</i>
09:40 - 10:05	Andreas Stasch , St Andrews University <i>Reduction reactions with dimeric magnesium(I) complexes</i>
10:05 - 10:30	Charles Romain , Imperial College London <i>5 go polymerising rac-lactide...</i>
10:30 - 11:00	Coffee
Session 2	Chair: William Gee
11:00 - 11:25	Jonathan Foster , University of Sheffield <i>Metal-organic nanosheets: programmable 2D materials</i>
11:25 - 11:50	Chris Hawes , Keele University <i>Engineering Responsive Fluorescent MOFs for Chemical Sensing</i>
11:50 - 12:15	Marco Taddei , Swansea University <i>Engineering defective metal-organic frameworks towards CO2 capture</i>
12:15 - 12:40	Andrea Laybourn , University of Nottingham <i>The three Ms: microwaves, mixing and MOFs</i>
12:40 - 13:50	Lunch
Session 3	Chair: David Mills
13:50 - 14:15	Luke A. Wilkinson , Imperial College London <i>Synthesis of ferrocene-based metalloligands for coordination chemistry</i>
14:15 - 14:40	Ruaraidh D. McIntosh , Heriot-Watt University <i>Polymetallic Ti complexes: Synthesis and Application</i>
14:40 - 15:05	John Fielden , University of East Anglia <i>The Hydrogen Evolution Catalysts That Weren't</i>
15:05 - 15:30	Peter D. Matthews , Keele University <i>More Hot Source with that? Evaluating Single-Source Precursors</i>
15:30 - 16:00	Coffee
Session 4	Joint Session with RAMS: Plenary Talks & Panel Discussion
16:00 - 18:00	Invited Speakers: Dr Deborah Kays Dr Rachel Oliver Panel Discussion 1: Careers and Research Group Management
19:00 - 19:30	<i>Pre-dinner reception with Cardiff Arms Park Male Choir</i>
19:00 -	Conference Dinner ZERODEGREES, 27 Westgate Street Cardiff, CF10 1DD (close to Principality stadium and Central train station)

Day 2 – Tuesday, 11th September 2018

Time	Event
Session 5	Chair: Jonathan Foster
09:15 - 09:40	Gareth O. Lloyd , Heriot-Watt University <i>Supramolecular Chemistry of Hydroxamic Acids</i>
09:40 - 10:05	William J. Gee , University of Kent <i>New chemical fingerprint treatments: Exploring the UV, Visible and near-IR spectrum</i>
10:05 - 10:30	Andrew Surman , King's College London <i>What I don't like about POM Chemistry... and some adventures trying to change it.</i>
10:30 - 11:00	<i>Coffee</i>
Session 6	Chair: Emma Richards
11:00 - 11:25	Helena J. Shepherd , University of Kent <i>Spin Crossover: From Synthesis to Function</i>
11:25 - 11:50	David P. Mills , University of Manchester <i>Building precise molecular architectures to maximise f-element properties</i>
11:50 - 12:15	Elizaveta A. Suturina , University of Bath <i>NMR of paramagnetic metal complexes: synergy of ab initio methods and experiment</i>
12:15 - 12:40	Paul J. Saines , University of Kent <i>Exploiting low dimensional and frustrated magnetism to design magnetocaloric frameworks</i>
12:40 - 13:50	<i>Lunch</i>
Session 7	Chair: Jennifer Garden
13:50 - 14:30	Invited Speaker: Prof. Aidan McDonald
14:30 - 14:55	Sophie L. Benjamin , Nottingham Trent University <i>Heavy Pnictonium Cations</i>
14:55 - 15:20	Rebecca Melen , Cardiff University <i>Small Molecule Activation and Catalysis Using Lewis Acidic Boranes: A Transition Metal Alternative?</i>
15:20 - 15:40	<i>Coffee</i>
Session 8	Joint Session with RAMS: Plenary Talks & Mini-panel Discussions
15:40 - 16:40	<p>Invited Guests:</p> <p align="center"> Carri Cotton, Chemical Science, RSC Rose Wedgbury, Journal of Materials Chemistry A, B and C, RSC Stewart Bland, Materials Today, Elsevier Salvador Eslava, University of Bath Claire Harvey, Business Development, Cardiff University </p> <p>After brief introductions, this session will be split into three:</p> <p align="center"> Networking (in the Forum) Publishing Q&A and discussion ECR funding Q&A and discussion </p> <p>Each will run for 20 minutes and then repeat for a further 20 minutes so that delegates can participate in more than one discussion.</p>

Day 3 – Wednesday, 12th September 2018

Time	Event
Session 9	Chair: John Fielden
09:15 - 09:40	Imogen A. Riddell , University of Manchester <i>Self-Assembled Materials for Biomolecule Encapsulation and Stabilisation</i>
09:40 - 10:05	Graeme J. Stasiuk , University of Hull <i>Development of High Contrast Multimodal Imaging Agents</i>
10:05 - 10:30	Rianne M. Lord , University of Bradford <i>Solid state synthesis of vanadyl(IV) complexes: Simple design with high potency towards cancerous cells</i>
10:30 - 11:00	<i>Coffee</i>
Session 10	Chair: Gareth Lloyd
11:00 - 11:25	David Santos-Carballal , Cardiff University <i>Catalytic CO₂ Activation and Dissociation on the Major Magnetite Fe₃O₄ Surfaces</i>
11:25 - 11:50	James Walton , Durham University <i>Organometallic Ruthenium Complexes in Catalysis and as Therapeutics</i>
11:50 - 12:15	Thomas W. Chamberlain , University of Leeds <i>All fullerene-based cells for non-aqueous redox flow batteries</i>
12:15 - 12:40	Joseph Wright , University of East Anglia <i>Muonium Chemistry at Diiron Subsite Analogues of [FeFe]-Hydrogenase</i>
12:40 - 13:50	<i>Lunch</i>
Session 11	Chair: David Santos-Carballal
13:50 - 14:15	Timothy Easun , Cardiff University <i>Dynamic Behaviour in Metal-Organic Frameworks</i>
14:15 - 14:40	Shahid Iqbal , Xi'an Jiatong University <i>Controlled Synthesis and Layer-Number-Dependent Catalytic Properties of Few-layered MoS₂/CdS van der Waals heterostructures for Efficient Photocatalytic H₂ Evolution</i>
14:40 - 15:05	Emma Richards , Cardiff University <i>TBC</i>
15:05 - 15:20	Closing remarks
15:20	Conference ends

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