

RSC Dalton Community Northern Regional Meeting 2026

Thursday 17 September 2026



09:00	Registration, poster/exhibitor set up	William Bragg Atrium, GR.18 and GR.25
10:00	Opening remarks	Chemistry West Block Lecture Theatre F G.74
<i>Session Chair: Chris Pask</i>		
10:10	Open-shell Solid-state Molecular OrganoMetallic chemistry (SMOM): in crystallo synthesis, reactivity and catalysis with an iridium(II) hydride Jack Heaton, University of York	Chemistry West Block Lecture Theatre F G.74
10:30	Formation of titanium η^2-diphosphenes and hydrophosphination of activated alkenes with PH_3 Leah Webster, University of Manchester	
10:50	Double C–H activation of unfunctionalized tert-alkylbenzenes at the ortho and homobenzylic positions Oliver Jacobs, University of Liverpool	
11:10	Coffee/Tea	William Bragg Atrium, GR.18 and GR.25
<i>Session Chair: Michael Hardie</i>		
11:40	Synthesis and magnetism of non-traditional lanthanide(II) N-bidentate complexes Peng-Bo Jin, University of Manchester	Chemistry West Block Lecture Theatre F G.74
12:00	Integration of pillar[5]arene based rotaxanes into metal-organic polyhedra Josie Robins, University of Birmingham	
12:20	Catalyst environment of rhodium complexes in ionic liquids explored through 2D-IR spectroscopy Samuel Bird, University of York	
12:40	Lunch and posters	William Bragg Atrium, GR.18 and GR.25
<i>Session Chair: Patrick McGowan</i>		
14:00	Electrochemically active ruthenium macrocycles as potential hosts and sensors for bio-anions and biomolecules Maddison Gilbey, University of Sheffield	Chemistry West Block Lecture Theatre F G.74
14:20	Synthesis and evaluation of dual-action gold(I) anticancer complexes with bioactive ligands Bradley Unwin, Sheffield Hallam University	

14:40	Linking short-term structural stability to antibacterial activity and the apparent therapeutic window in ligand-protected Au₂₅ nanoclusters Sobhan Mortazavi-Derazkola, University of Leeds	
15:00	Coffee/Tea	William Bragg Atrium, GR.18 and GR.25
<i>Session Chair: Gilian Thomas</i>		
15:30	Catalytic Synthesis of Poly(N-ethylaminoborane) as a Precursor to BN Materials Alexander Watson, University of York	Chemistry West Block Lecture Theatre F G.74
15:50	Low-temperature dependency pressure-sensitive paints for wind tunnel testing based on luminescent polymer-bound porphyrins Elliott Nunn, University of Manchester	
16:10	Mond-Nyholm Prize Lecture Professor Euan K Brechin, University of Edinburgh Award presented by Professor Andrew Weller	
17:00	Closing remarks and awards	

Poster Presentations

Photoactive iron(II) bis(2,6-dipyrazol-1-yl-pyridine) spin-crossover complexes functionalised with proximal heteroaryl azo substituents

Gavyn Cheshier, University of Leeds

Towards anionic pincer complexes for CO₂ hydrogenation

Mads Møller, University of York

N–H bond activation by a geometrically constrained Phosphorous trisamide

Sina Schmidt, University of Manchester

Re-evaluation of Schrock-Osborn catalyst effectiveness for ¹H & ¹³C para-hydrogen induced polarisation NMR

Ian Gray, University of York

Uranocenium – The bis-[8]annulene Uranium Cation

Cameron Deakin, University of Manchester

Highly axial dysprosium cyclopentadienyl-amide single-molecule magnets

Hamish Hourston, University of Manchester

Diversifying Catalysis Through the Synthesis of Nickel Complexes as Prospective Precatalysts

Ria-May Berry, University of Leeds

Using benzene as an alkene equivalent for Diels-Alder reactions

George Giles, University of Manchester

Exploring bulky tetrasubstituted COT ligands with rare earth elements

Stanley Bagio, University of Manchester

Ring the Changes in SMOM

Peter Shaw, University of York

Amidoborate Doping for the Controlled Synthesis of Polyaminoboranes and Their Use as Precursors for Boron Nitride

Dominykas Dautoras, University of York

Redox Chemistry of f-block complexes with a Simple Diamide Ligand

Orry Mayne, University of Manchester

Studying site selectivity in Suzuki-Miyaura cross-coupling reactions using earth abundant Ni based catalytic systems

Arushi Tiwari, University of York

Synthesis and Evaluation of Dual-Action Gold(I) Anticancer Complexes with Bioactive Ligands

Bradley Unwin, Sheffield Hallam University

EPR Study on the Interaction of Oxygen and Nitric Oxide with Octa-Substituted Cobalt Phthalocyanines

Runyu Zhang, University of Manchester

Activation of CO₂ by lanthanum tris(cyclopentadienyls)

Samilli Vasconcelos, University of Manchester

Getting the gold in: one-pot transmetallation mediated by palladium(II) complexes

Gowri Manohari Satish, University of York

Ligand-Induced Structural Disorder in layered Metal-Organic Frameworks for Exfoliation of Faceted 2D Metal-Organic Nanosheets

Vyom Tyagi, University of York

Small Molecule Activation and Redox Chemistry of Divalent bis-(tethered)arene Rare Earth Complexes

Ross MacKenzie, University of Manchester

Divalent scandium anions bearing heterocyclic ligands: synthesis and electronic structure

Liam Griffin, University of Oxford

Visible-Light-Driven CO₂ Conversion into Value-Added Fuels Using Metal-Integrated UiO-66-NH₂-SH MOFs

Amna Bibi, University of Cambridge

Achieving Single Scan Rhodium-103 NMR and Its Application to Reaction Monitoring

Dean McGettigan, University of York

Electron bridges for balancing the activity–stability trade-off in electrocatalysis

Xiuxiu Han, University of Birmingham

Platinum dimethyl complexes facilitate novel parahydrogen sensitised NMR spectroscopy

Matthew McCabe, University of York

Detecting Low-Concentration Iridium Intermediates Using NMR spectroscopy

Samira Al-Sharafi, University of York