

AGICHEM 2021 Programme ALL TIMES ARE UK TIMES (time in Germany is one hour later)

THURSDAY 9 SEPTEMBER 2021 (Each talk = 30 mins + 5 min questions + 5 mins change-over)

09.00-09.20 Welcome from the Organisers, James Wilton-Ely and Nick Long.

Catalysis for Green and Sustainable Chemistry Theme sponsored by the MRes in Green Chemistry

- 09.20-09.55 **Efficient N₂ fixation by Fe(N₂)(diphosphine)₂ complexes**
Dr Andrew Ashley (Imperial College London, UK)
- 10.00-10.35 **Harnessing metallonitrene and -phosphinidene complexes for chemical synthesis and catalysis**
Prof. Sven Schneider (Georg-August University Göttingen, Germany)
- 10.40-11.15 **Synergic heteronuclear polymerization catalysts**
Prof. Charlotte Williams (University of Oxford, UK)
- 11.20-13.00 **Poster Session and networking on Gather.town continued into lunch**
- 13.00-13.35 **Metal-mabiq complexes: A family of diverse photocatalysts**
Prof. Corinna R. Hess (Technical University Munich, Germany)
- 13.40-14.15 **Methane activation and ethanol upgrading using metal-modified zeolites**
Dr Russell Taylor (Durham University, UK)
- 14.20-14.55 **What is doing the catalysis? On species formed when using the highly active Ru-MACHO catalyst in ester hydrogenations and alcohol dehydrogenations**
Dr Thomas Schaub (BASF and Catalysis Research Laboratory, Heidelberg, Germany)
- 15.00-15.15 **Tea/coffee break**
- 15.15-15.50 **Organo-antimony and -bismuth cations: Lewis acidity and unexpected reactivity**
Dr Sophie Benjamin (Nottingham Trent University, UK)
- 15.55-16.30 **Carbenaporphyrin: An electron rich porphyrinoid ligand and its influence on the properties of metal complexes**
Prof. Doris Kunz (University of Tübingen, Germany)
- 16.35-17.10 **Aluminium (I), (II), (III)**
Dr Michael Cowley (University of Edinburgh, UK)
- 17.10- **Poster Session and networking continues on Gather.town**

FRIDAY 10 SEPTEMBER 2021

- 09.00-09.35 **Electronic coupling in mixed-valent macrocyclic alkenyl ruthenium complexes: A tale of truth and deceit**
Prof. Rainer Winter (University of Konstanz, Germany)
- 09.40-10.15 **Spin-flip emission with earth-abundant transition metal ions**
Prof. Katja Heinze (Johannes Gutenberg University Mainz, Germany)
- 10.20-10.55 **Small molecule activation and catalysis using highly unsaturated complexes**
Prof. Deborah Kays (University of Nottingham, UK)
- 11.00-12.00 **Two parallel Sandpit Sessions (topics to be defined in advance)**
- 12.00-14.00 **Poster Session and networking on Gather.town continued into lunch**
- 14.00-14.35 **New electrochemical methods for probing bio-catalytic electron transfer**
Dr Alison Parkin (University of York, UK)
- 14.40-15.15 **The role of heme in biology: from catalysis to regulation**
Prof. Emma Raven (University of Bristol, UK)
- 15.20-15.35 **Tea/coffee break**
- 15.35-16.10 **Polymeric frustrated Lewis pairs**
Prof. Michael Shaver (University of Manchester, UK)
- 16.15-16.50 **Carborane meets phosphorus**
Prof. Evamarie Hey-Hawkins (Leipzig University, Germany)
- 16.55 **Prizes and concluding remarks (attendees can return to the posters if they wish)**