

## CATALYSIS: FUNDAMENTALS AND PRACTICE, LIVERPOOL 24- 28 June 2024

	Monday 24 June 2024	Tuesday 25 June 2024	Wednesday 26 June 2024	Thursday 27 June 2024	Friday 28 June 2024
8.30	Registration				
8.50	Welcome <b>Jon. Iggo</b>				
9-10	Principles of Homogeneous Catalysis <b>Mimi Hi (Imperial College)</b>	Catalysis in Bio-technology <b>Andreas Liese (TU Hamburg)</b>	Catalyst deactivation <b>John Birtill (U Glasgow)</b>	Fundamentals of Catalytic Reaction Engineering <b>Nancy Artioli, (Brescia)</b>	<b>How to write a paper for a world class journal (RSC Chemical Science)</b> <b>Networking and collaboration in science and engineering, (IChemE)</b>
10-11	Sustainable chemical transformations and processes <b>Regina Palkovits (RWTH Aachen)</b>	High Throughput Experimentation in Heterogeneous Catalysis <b>TBC, (hte)</b>	<i>Operando</i> studies of catalytic reactions: pitfalls and benefits. <b>Fred Meunier, (IRCELYON)</b>	Catalyst characterization <b>Angelika Brückner, (Leibniz Institute for Catalysis)</b>	Discovery: Cooperative Catalysis <b>Duncan Wass, (U Cardiff)</b>
11-11.20	<i>Coffee</i>	<i>Coffee</i>	<i>Coffee</i>	<i>Coffee</i>	<i>Coffee</i>
11.20-12.20	Computational quantum chemistry in homogeneous and bio-catalysis <b>Michael Buehl (U St Andrews)</b>	Principles of Heterogeneous Catalysis <b>Jillian Thompson (QUB)</b>	Tricks of the Trade – Aspects of commercial catalyst manufacturing <b>TBC</b> <b>Robert Terorde (Iqatalyst.)</b>	The Fundamentals of Catalysis on the Molecular Level. <b>Richard Catlow, (UCL)</b>	Synthetic Biotransformations <b>Helen Hailes (UCL)</b>
12.30-2	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>	Closing remarks
2-3	Electrocatalysts for hydrogen technologies <b>Chris Zalitis (JM)</b> <b>Alex Martinez (JM)</b>	From lab bench to plant: Scaling-up a Process <b>Les Bolton (formerly BP Group Technology)</b>	Protecting intellectual property <b>John Ridland (Johnson Matthey)</b>	Industrial Catalysis – from experiments to production and application <b>John Runnacles, (MCGC)</b>	<i>Lunch</i>
3-4	Cat in a Hot Tin Tube: Designing reactors to suit the catalysis <b>Hugh Stitt, (JM)</b>	Workshop Chemical and Process Engineering in Catalysis – <b>Jon Deeley (INEOS Acetyls)</b>	Photocatalysis in Life Science <b>TBC</b>	Organometallic Chemistry: Past, Present and Future <b>Matthias Beller (LIKAT)</b>	Meeting ends
4-4.20	<i>Coffee</i>		<i>Coffee</i>	<i>Coffee</i>	
4.20-5.20	Engineering a process <b>Christian Wix (Haldor Topsoe)</b>	<b>Konstantin Luzyanin (UoL)</b> <b>Jon Iggo (UoL)</b> 'til 6.30 pm	Adding value: Catalytic transform <sup>n</sup> of waste bio-oils <b>David Cole-Hamilton (U St Andrews)</b>	Photocatalysis <b>Mike Bowker, (U Cardiff)</b>	
6-9	Poster Session & Mixer			Conference Dinner	