

CATALYSIS: FUNDAMENTALS AND PRACTICE, LIVERPOOL 15 - 19 July 2019

	Monday 15 July 2019	Tuesday 16 July 2019	Wednesday 17 July 2019	Thursday 18 July 2019	Friday 19 July 2019
8.30	Registration				
8.50	Welcome Jon. Iggo (U Liverpool)				
9-10	Principles of Homogeneous Catalysis Mimi Hii (Imperial College)	Catalysis in Bio-technology TBA (TU Hamburg)	Catalyst deactivation John Birtill (Highcliffe Catalysis Limited and U Glasgow)	Fundamentals of Catalytic Reaction Engineering Jacob Moulijn, (U Cardiff & TU Delft)	Catalysis for fuel cells Chris Zailitis (JM Fuel Cells)
10-11	Principles of Heterogeneous Catalysis S. Dave Jackson (U Glasgow)	High Throughput Experimentation in Heterogeneous Catalysis Alfred Haas, (hte)	Heirarchical systems Augustin Martínez Feliu (ITQ)	Catalyst characterization Angelika Brückner, (Leibniz Institute for Catalysis)	<i>Operando</i> studies of catalytic reactions: pitfalls and benefits. Fred Meunier, (IRCELYON)
11-11.20	<i>Coffee</i>	<i>Coffee</i>	<i>Coffee</i>	<i>Coffee</i>	<i>Coffee</i>
11.20-12.20	Discovery: Cooperative Catalysis Duncan Wass, (U Cardiff)	Cat in a Hot Tin Tube: Designing reactors to suit the catalysis Hugh Stitt (JM Process Technologies)	The Fundamentals of Catalysis on the Molecular Level. Richard Catlow, (UCL)	Tricks of the Trade – Aspects of commercial catalyst manufacturing (tba BASF Cat.)	Synthetic Biotransformations Nick Turner, (U Manchester)
12.30-2	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>	Closing remarks
2-3	Process Development: Scale-up of Homogeneous Catalytic Reactions John Blacker, (iPRD, ULeeds)		Protecting intellectual property John Ridland (JM Process Technologies)	How to write A paper for a world class journal Roel Prins (ETH)	<i>Lunch</i>
3-4	Sustainable chemical transformations and processes Chris Hardacre, (U Manchester)	Chemical and Process Engineering in Catalysis – Workshop (Syndicate Activity led by Dave Law, Kat Yearsley and Greg Price, BP)	Computational quantum chemistry in homogeneous and bio-catalysis Michael Buehl (U St Andrews)		Meeting ends
4-4.20	<i>Coffee</i>		<i>Coffee</i>	<i>Coffee</i>	
4.20-5.20	Engineering a process Christian Wix (Haldor Topsoe)		Adding value: Catalytic transformation of waste bio-oils David Cole-Hamilton (U St Andrews)	STM Applied to Surface Reactions Mike Bowker, (U Cardiff)	
6-9	Poster Session & Mixer			<i>Conference Dinner</i>	