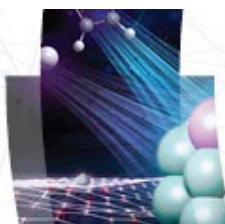


2024 Catalysis Science & Technology Symposium

3 April 2024 | London, UK



09:15	Registration and refreshments
10:00	Welcome and Introductions Bert Weckhuysen Editor-in-Chief, <i>Catalysis Science & Technology</i> <i>Utrecht University, The Netherlands</i>
10:10	Introduction to <i>Catalysis Science & Technology</i> and the Symposium Maria Southall Executive Editor, <i>Catalysis Science & Technology</i> <i>Royal Society of Chemistry, UK</i>
	Session 1: Catalysis for Materials & Energy Session chair: Bert Weckhuysen
10:15	Turning waste into coveted chemicals and fuels using electrocatalytic processes Magda Titirici <i>Imperial College London, UK</i>
10:45	Materials strain for electrocatalysis Shaojun Guo** <i>Peking University, China</i>
11:15	Flash poster session
11:30	Lunch and poster session
	Session 2: Heterogeneous Catalysis Session chair: Bin Liu
13:00	Controlling bifunctional effects in CO₂ hydrogenation using organic monolayers Will Medlin <i>University of Colorado Boulder, USA</i>
13:30	Data science, DFT and spectroscopic studies for design of heterogeneous catalysis Kenichi Shimizu <i>Hokkaido University, Japan</i>
14:00	Capturing sunlight in liquid multicarbon fuels Motiar Rahaman <i>University of Cambridge, UK</i>
14:15	Refreshments
	Session 3: Homogeneous Catalysis Session chair: Mélanie Hall
14:45	Zintl clusters as catalytic tools for synthesis Meera Mehta <i>University of Oxford, UK</i>
15:00	Unveiling mechanisms with AI: The evolution of kinetic studies Jordi Bures <i>University of Manchester, UK</i>
15:15	Interactions of nickel complexes with functional groups: Selectivity, inhibition, and new catalysts David Nelson <i>University of Strathclyde, UK</i>

15:30	Refreshments/comfort break
	Session 4: Bio- and Digital Catalysis Session chair: Andrew Weller
16:00	The role of Simulations in Catalysis from first principles to machine learning Núria López <i>ICIQ, Spain</i>
16:30	Enzymes in chemistry: Catalysts of transformation Mélanie Hall <i>University of Graz, Austria</i>
17:00	Closing remarks and poster prize presentations
17:15	Drinks reception – Council Room, Burlington House
18:15	Symposium close

Please note that the programme is subject to change

**Presenting online