



## UK Catalysis Hub Summer Conference 17 – 18 June 2026

Harwell Campus, Pickavance Theatre, Rutherford Appleton Laboratory, Harwell Campus

### Day One: 17/6/26

<b>11:15</b>	<b><u>Registration Opens</u></b>	<b><u>Rutherford Appleton Laboratory Reception (Building R75)</u></b>
<b>11:45 -12:30</b>	<b>BUFFET LUNCH – RESEARCH COMPLEX AT HARWELL FOYER (Building R92)</b>	
<b>Session 1</b>	<b><u>Sustainability</u></b>	<b>Pickavance Lecture Theatre (R22)</b>
<b>Chair:</b>	Prof. Charlotte Williams, <i>University of Oxford</i>	
<b>12.30 -12.35</b>	<b>Welcome - Introduction</b>	Prof Charlotte Williams, <i>Oxford</i>
<b>12.35 -13.15</b>	Prof. Audrey Moores, McGill University	Mechanochemistry and Aging: Using Mechanical Force to Catalyze Biomass Transformations
<b>13.15 -13:55</b>	Prof. Paula Diaconescu, University of California, Los Angeles	Redox switchable polymerization
<b>13.55 -14:35</b>	Prof. Frank Liebfarth, University of South Carolina	Different Ways to Generate Stereodefined Polymers
<b>14:35 -14:55</b>	Dr Clare Megarity, University of Manchester	Electrified Enzymes: Interactive Electrochemical Control of Multi-Enzyme Cascades
<b>14:55 -15:20</b>	<b>COFFEE BREAK - RESEARCH COMPLEX AT HARWELL FOYER (Building R92)</b>	
<b>Session 2</b>	<b><u>Advanced Characterization</u></b>	<b>Pickavance Lecture Theatre (R22) –</b>
<b>Chair:</b>		
<b>15:20-16:00</b>	Dr. Céline Chizallet, IFP Energies Nouvelles	Modelling reaction mechanisms at the atomic scale in industrial Brønsted acidic zeolite catalysts: balancing accuracy with real-world representativity
<b>16:00-16:40</b>	Prof. Xuning Li, Dalian Institute of Chemical Physics (DICP)	The Unique Role of Mössbauer Spectroscopy in Probing Single-Atom Catalysts
<b>16:40- 17:20</b>	Assoc. Prof. Rebecca Ingle, University College London	Automated Kinetic Model Identification in Ultrafast Spectroscopy
<b>17:20-17:40</b>	Dr. Charlotte Vogt, Technion - Israel Institute of Technology	Seeing the unseen: unlocking the hidden forces of catalysis for a sustainable future
<b>17:40 -18.20</b>	<b>Drinks &amp; Posters, Diamond Light Source Atrium</b>	
<b>18:20</b>	Coach to The Crown & Thistle	
<b>19.30</b>	<b>Dinner by invitation: The Crown &amp; Thistle, Abingdon</b>	



Day Two: 18/6/26

<b>8:30 -9:00</b>	<b>Tea and Coffee</b>	<b>Visitor Centre (building R112)</b>
<b>Session 3</b>	<b><u>Digital Chemistry</u></b>	<b>Pickavance Lecture Theatre (R22)</b>
<b>Chair:</b>		
9:10-09:15	Introduction	
9.15 -9.55	Dr. James Gebbie, UKRI STFC	Title TBD
9.55 -10.35	Dr. Arunabhiram Chutia, University of Lincoln	Probing surface interactions: From $\pi$ -metal coupling to metal-oxide interfaces
10.35 -10.55	Dr. Florence Hardy, University of Manchester	De novo photoenzymes with mirror image catalytic sites
10.55 -11.15	Dr. Bastian Skjelstad, University of Oxford	Title TBD
<b>11.15 -11.35</b>	<b>Break: Tea and Coffee, Visitor Centre (building R112)</b>	
<b>Session 4</b>	<b><u>Net Zero</u></b>	<b>Pickavance Lecture Theatre (R22)</b>
<b>Chair:</b>		
11.35 -11.40	Introduction	
11.40 -12.20	Prof. James Durrant, University of Oxford	Operando optical spectroelectrochemical analyses of water oxidation photo- and electro-catalysis
12:20 -12:40	Dr. Giuseppe Bagnato, Lancaster University	Reaction Engineering for Net Zero
12.40 -13.20	Prof. Alice Larkin, University of Manchester	An interdisciplinary perspective on the climate mitigation challenge
13.20 -13.40	Dr. Richard Lewis, Cardiff University	Hydro-Oxy: Sustainable Routes to Global Chemicals Through In-Situ H <sub>2</sub> O <sub>2</sub> Synthesis
13:40-13.45	<i>Closing Remarks</i>	
<b>14:00 -14:45</b>	<b>Buffet Lunch, Visitor Centre (building R112)</b>	
<b>15:30</b>	<b>Close</b>	