

## 2025 Faraday Institution Conference - Outline Programme - Energising the UK Battery Ecosystem

Day one - Tuesday 9 September					
08:30-10:00	Arrival and Registration - <i>Warwick Arts Centre</i>				
10:00-10:10	Welcome   Professor Martin Freer, CEO, The Faraday Institution				
10:10-10:20	Welcome   University of Warwick				
10:20-10:30	Opening Remarks				
10:30-11:00	Academic Keynote Talk   Professor Sir Stanley Whittingham, Professor of Chemistry and Director of Institute for Materials Research and the Materials Science and Engineering program at Binghamton University and State University of New York				
11:00-11:30	Academic Keynote Talk   Professor Shirley Meng, Professor of Molecular Engineering at the University of Chicago				
11:30-12:00	Keynote Q&A				
12:00-14:00	Lunch and Exhibition - <i>Butterworth Hall</i>				
14:00-16:00	<b>Session 1 - Active Materials</b>	14:00-16:00	<b>Session 2 - Battery Modelling</b>	14:00-16:00	<b>Session 3 - Battery Safety and Abuse</b>
14:00-14:40	Invited Talk   Dr Evi Petavratzi, Senior Mineral Commodity Geologist, British Geological Society (30 + 10)	14:00-14:20	Selected Talk 1 (15 + 5)	14:00-14:20	Selected Talk 1 (15 + 5)
14:40-15:00	Selected Talk 1 (15 + 5)	14:20-14:40	Selected Talk 2 (15 + 5)	14:20-14:40	Selected Talk 2 (15 + 5)
15:00-15:20	Selected Talk 2 (15 + 5)	14:40-15:20	Invited Talk   Dr Sam Cooper, Reader in Artificial Intelligence for Materials Design in the Dyson School of Design Engineering and Imperial College London (30 + 10)	14:40-15:00	Selected Talk 3 (15 + 5)
15:20-15:40	Selected Talk 3 (15 + 5)	15:20-15:40	Selected Talk 3 (15 + 5)	15:00-15:20	Selected Talk 4 (15 + 5)
15:40-16:00	Selected Talk 4 (15 + 5)	15:40-16:00	Selected Talk 4 (15 + 5)	15:20-16:00	Invited Talk   Dr Jonathan Buston, Principal Scientist, Health and Safety Executive (HSE) (30 + 10)
16:00-18:00	Exhibition, Poster Session and Networking - <i>Butterworth Hall and Mead Gallery</i>				
18:15-20:30	Welcome Networking Reception - <i>National Automotive Innovation Centre (NAIC), University of Warwick</i>				

Day two - Wednesday 10 September					
09:00-10:00	Industry Keynote Talk				
09:30-10:00	Industry Keynote Talk				
10:00-10:30	Break				
10:30-12:30	<b>Session 4 - New Battery Chemistries &amp; Interfaces (1)</b>	10:30-12:30	<b>Session 5 - Electrode Manufacturing</b>	10:30-12:30	<b>Session - Advances in Recycling and Reuse</b>
10:30-11:10	Invited Talk   Professor John Irvine, School of Chemistry, University of St. Andrews (30 + 10)	10:30-10:50	Selected Talk 1 (15 + 5)	10:30-10:50	Selected Talk 1 (15 + 5)
11:10-11:30	Selected Talk 1 (15 + 5)	10:50-11:10	Selected Talk 2 (15 + 5)	10:50-11:10	Selected Talk 2 (15 + 5)
11:30-11:50	Selected Talk 2 (15 + 5)	11:10-11:50	Invited Talk   Dr Hieu Duong, Chief Manufacturing Officer, AM Batteries (30 + 10)	11:10-11:30	Selected Talk 3 (15 + 5)
11:50-12:10	Selected Talk 3 (15 + 5)	11:50-12:10	Selected Talk 3 (15 + 5)	11:30-11:50	Selected Talk 4 (15 + 5)
12:10-12:30	Selected Talk 4 (15 + 5)	12:10-12:30	Selected Talk 4 (15 + 5)	11:50-12:30	Invited Talk   Professor Louise Horsfall, Chair of Sustainable Biotechnology, University of Edinburgh (30 + 10)
12:30-14:00	Lunch and Exhibition - <i>Butterworth Hall</i>				
14:00-16:00	<b>Session 7 - From Innovation to Market</b>				
	Invited speakers and Q&A				
16:00-18:00	Exhibition, Poster Session and Networking - <i>Butterworth Hall and Mead Gallery</i>				
19:00-23:30	Faraday Institution Conference Dinner 2025 - <i>Coventry Cathedral</i>				

Day three - Thursday 11 September					
10:00-12:00	<b>Session 8 - New Battery Chemistries &amp; Interfaces (2)</b>	10:00-12:00	<b>Session 9 - Degradation and Advanced Characterisation</b>	10:00-12:00	<b>Session 10 - Facing up to the battery skills challenge</b>
10:00-10:40	Invited Talk   Dr Rob House, Associate Professor of Materials, University of Oxford (30)	10:00-10:20	Selected Talk 1 (15 + 5)		Panel discussion
10:40-11:00	Selected Talk 1 (15 + 5)	10:20-10:40	Selected Talk 2 (15 + 5)		
11:00-11:20	Selected Talk 2 (15 + 5)	10:40-11:20	Invited Talk   Professor Nuria Garcia-Araez, University of Southampton (30 + 10)		
11:20-11:40	Selected Talk 3 (15 + 5)	11:20-11:40	Selected Talk 3 (15 + 5)		
11:40-12:00	Selected Talk 4 (15 + 5)	11:40-12:00	Selected Talk 4 (15 + 5)		
12:00-13:30	Lunch and Exhibition - <i>Butterworth Hall</i>				
13:30-14:00	Closing Keynote Talk - Professor Paul Monks, Chief Scientific Advisor, Department for Energy Security and Net Zero (DESNZ)				
14:00-15:00	Closing Keynote Panel - Battery Roadmaps: - Rebecca Schapira, Department for Business and Trade (DBT) - Carmen Cavallo, FAAM - Thomas Bartlett, Faraday Battery Challenge, Innovate UK - Tim Powell, STFC - Hadi Moztaazadeh, Advanced Propulsion Centre				
15:00-15:20	Poster Session Awards 2025				
15:20-15:45	Closing Remarks - Professor Martin Freer, CEO, The Faraday Institution				