

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

Day One - Tuesday 9 September					
08:30-10:00	Arrival and Registration - Warwick Arts Centre				
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				
10:30-11:20	Academic Keynote Talk   Professor Sir Stanley Whittingham, Distinguished Professor of Chemistry and Materials Science and Engineering, Binghamton University (USA) Chaired by: Professor Louis Piper, WMG - University of Warwick				
11:20-12:00	Industry Keynote Talk   Fortescue Zero Chaired by: Professor Louis Piper, WMG - University of Warwick				
12:00-14:00	Lunch and Exhibition - Butterworth Hall				
14:00-16:00	Session 1 - Active Materials & Supply Chain Chaired by: Professor Paul Anderson, University of Birmingham	14:00-16:00	Session 2 - Battery Modelling Chaired by: Professor James Marco, WMG - University of Warwick	14:00-16:00	Session 3 - Battery Safety and Abuse Chaired by: Dr Mel Loveridge, WMG - University of Warwick
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 - Butterworth Hall and Mead Gallery				
18:15-20:30	Welcome Networking Reception - National Automotive Innovation Centre (NAIC), University of Warwick				
Day Two - Wednesday 10 September					
09:00-10:00	Academic Keynote Talk   Professor Shirley Meng, Professor at the Pritzker School of Molecular Engineering, University of Chicago (USA) Chaired by: Dr Valentina Gentili, Vice President of Global Research and Development, Agravas				
10:00-10:30	Break				
10:30-12:30	Session 4 - New Battery Chemistries & Interfaces (1) Chaired by: Professor Venkataraman Thangadurai, University of St. Andrews	10:30-12:30	Session 5 - Electrode Manufacturing Chaired by: Professor Patrick Grant, University of Oxford	10:30-12:30	Session 6 - Advances in Recycling and Reuse Chaired by: Dr Laura Driscoll, University of Birmingham
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 - Butterworth Hall				
14:00-14:40	Industry Keynote Talk: Dr Reza Younesi, Founder of Altris AB and Associate Professor at Department of Chemistry - Ångström Laboratory, Uppsala University Chaired by: Ian Ellerington, Technology Transfer Director, Faraday Institution				
14:40-16:00	Session 7 - From Innovation to Market Chaired by: Ian Ellerington, Technology Transfer Director, Faraday Institution				
14:40-15:00	Dr Gyen Ming Angel, Director of Venture Building, Prosemino				
15:00-15:20	Dr Ola Hekselman, CEO and Co-Founder, Solveteq				
15:20-15:40	Dr Alice Merryweather, Founder and Applications Lead, Illumion				
15:40-16:00	TBC				
16:00-18:00	Exhibition, Poster Session and Networking - Butterworth Hall and Mead Gallery				
19:00-23:30	Faraday Institution Conference Dinner 2025 - Coventry Cathedral After-dinner guest speaker: Robert Llewellyn, Founder, Fully Charged				
Day Three - Thursday 11 September					
10:00-12:00	Session 8 - New Battery Chemistries & Interfaces (2) Chaired by: Dr Georgina Gregory, University of Oxford	10:00-12:00	Session 9 - Advanced Characterisation & Degradation Chaired by: Dr Gabriel Perez, ISIS Neutron and Muon Source	10:00-12:00	Session 10
10:00-10:40	Invited Talk   Dr Rob House, Associate Professor of Materials, University of Oxford (30 + 10)	10:00-10:20	Selected Talk 1 (15 + 5)		
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 - Butterworth Hall				
13:30-14:20	Session 11 - Battery Roadmaps Panel: - Rebecca Schapira, Deputy Director for Advanced Manufacturing, Department for Business and Trade (DBT) - Carmen Cavallo, Senior Research Scientist, R&D, FAAM - Thomas Bartlett, Deputy Director, Faraday Battery Challenge, Innovate UK - Tim Powell, Automotive Sector Lead, STFC - Hadi Moztaazadeh, Head of Technology Trends, Advanced Propulsion Centre				
14:20-15:00	Closing Keynote Talk - Professor Paul Monks, Chief Scientific Advisor, Department for Energy Security and Net Zero (DESNZ)				
15:00-15:20	Poster Session Awards 2025				
15:20-15:45	Closing Remarks - Professor Martin Freer, CEO, The Faraday Institution				