

OBMS 2025 Programme

Day 1, Thursday 24th July

Time	Event	Location
08:45	Registration and Refreshments	North Writing School (NWS)
09:30	Saiful Islam – Opening Remarks	South Writing School (SWS)
<i>Session 1: Continuum Modelling</i>		
09:45	Arnulf Latz – “Structure Resolved Modelling of Batteries”	SWS
10:45	Refreshments	NWS
11:15	Aashutosh Mistry – “Can’t We Design Aqueous Battery Electrolytes based on Li-ion Knowledge?”	SWS
12:15	Lunch	NWS
<i>Session 2: Materials Chemistry</i>		
13:30	Don Siegel – “Void Formation and Interfacial Contact Loss in Lithium Metal Solid State Batteries”	SWS
14:30	Refreshments	NWS
15:00	Clare Grey – “Combining Theory with Experiment in Battery Materials on Different Time- and Length-scales: Deintercalation and Degradation Mechanisms”	SWS
16:00	Poster Session and Drinks Reception	NWS
18:30	Walk to Rhodes House	
19:00	Dinner	Rhodes House

Day 2, Friday 25th July

Time	Event	Location
08:45	Arrival and Refreshments	NWS
<i>Session 3: Cell Simulation</i>		
09:30	Gregory Offer – “Predicting the Lifetime of Lithium-ion Batteries”	SWS
10:30	Refreshments	NWS
11:00	Robert Timms – “Reduced-order Battery Modelling: from Particle Size Distributions to Tab Design”	SWS
12:00	Lunch	NWS
<i>Session 4: Systems Perspective</i>		
13:30	Edmund Dickinson – “Electrochemical Parameterisation of my Li-ion Cell: Achievable, Advisable, Optimal, Trustworthy?”	SWS
14:30	Refreshments	NWS
15:00	Jessika Trancik – “Progress in Batteries: Recent Improvement Trends and Implications for the Future”	SWS
16:00	Discussion and Closing Remarks	SWS