

DAY 1: Monday 17 September 2018				DAY 2: Tuesday 18 September 2018			
SESSION 1: New energy materials and energy policy Chair: Professor Saiful Islam (Bath, UK)		SESSION 2: Transport processes in energy materials Chair: Professor Jenny Nelson FRS (Imperial, UK)		SESSION 3: Nanostructures & interfaces of energy materials Chair: Professor Peter Bruce FRS (Oxford, UK)		SESSION 4: Materials modelling and design Chair: Professor Richard Catlow FRS (UCL)	
09.00	Welcome by the Royal Society & lead organiser (S. Islam)						
09.05 - 09.35	Professor Henry Snaith FRS (University of Oxford, UK) New perovskite materials for solar cells & optoelectronics	13.30 - 14.00	Professor Laura Herz (University of Oxford, UK) Transport in perovskite solar cells	09.00 - 09.30	Professor Juergen Janek (University of Giessen, Germany) Interfaces of solid batteries & solid oxide fuel cells	13.30 - 14.00	Professor Anton Van der Ven (University of Santa Barbara, USA) Connecting electrochemical properties of battery materials to their electronic structure
09.35	Discussion	14.00	Discussion	09.30	Discussion	14.00	Discussion
09.45 - 10.15	Professor Jean-Marie Tarascon ForMemRS (College de France, Paris, France) New materials for rechargeable lithium batteries	14.15 - 14.45	Professor Clare Grey FRS (University of Cambridge, UK) Transport in lithium batteries & solid oxide fuel cells	09.45 - 10.15	Professor Linda Nazar (University of Waterloo, Canada) Nanoscale effects in lithium batteries	14.15 - 14.45	Professor Aron Walsh (Imperial College London, UK) Beyond Perovskites: Chemical Principles for Next-Generation Solar Energy Materials
10.15	Discussion	14.45	Discussion	10.15	Discussion	14.45	Discussion
10.30	Coffee break	15.00	Coffee break	10.30	Coffee break	15.00	Coffee break
11.00 - 11.30	Professor Sossina Haile (Northwestern University, USA) New materials for fuel cells and solar fuels	15.30 - 16.00	Professor Mercouri Kanatzidis (Northwestern University, USA) Transport in thermoelectric materials	11.00 - 11.30	Professor John Irvine (University of St Andrews, UK) Nanostructures and interfaces of solid oxide fuel cell materials	15.30 - 16.00	Professor Andrew Cooper FRS (University of Liverpool, UK) Design of porous materials for gas storage
11.30	Discussion	16.00	Discussion	11.30	Discussion	16.00	Discussion
11.45 - 12.15	Professor Jim Skea (Imperial, UK) Energy policy and innovation	16.15 - 16.45	Dr Thomas Kirchartz (FZ Juelich, Germany) Transport in solar cell materials	11.45 - 12.15	Professor Jennifer Rupp (MIT, USA) Surfaces & interfaces of complex oxides	16.15 - 17.00	Panel discussion / Future outlook Chairs: Dame Julia Higgins FRS (Imperial College London, UK), Prof Hywel Thomas FRS (Cardiff)
12.15	Discussion	16.45	Discussion	12.15	Discussion		
12.30 - 13.30	LUNCH	17.00 - 17.30	Flash poster talks (one-minute, one-slide presentations; max 25) before Poster session	12.30 - 13.30	LUNCH	17.00	CLOSE

