Programme: Controlling Lithium Battery Interfaces, Orlando, USA – Friday 27th May 2016		
08:30 – 09:00	**Registration**	
09:00 – 09:10	Introduction, aims, programme	Dr Laurence Hardwick
09-10 – 10:00	The mechanism of cathode dissolution in Li-ion batteries	Key Note: Robert Kostecki, Lawrence Berkeley National Laboratory, USA
10:00 – 10:30	*Research involving lithium battery interfaces at the US Department of Energy supporting the development of next-generation batteries for electric drive vehicles*	Peter Faguy, Energy Efficiency and Renewable Energy - US Department of Energy, USA
10:30 – 11:00	*Electrochemical stiffness and stress in lithium Ion batteries*	Andrew Gewirth, University of Illinois, USA
11:00 – 11:30	**Coffee Break and posters**	
11:30 – 12:00	*Interfacial and bulk optical operando studies of $LiMn_2O_4$ spinel cathodes*	Christopher Johnson, Argonne National Laboratory, USA
12:00 – 12:15	*Probing battery interfaces with photoemission spectroscopy: the synchrotron-free approach at SIRBATT*	Miguel Angel Munoz, CIC EnergiGUNE, Spain
12:15 – 12:30	*Multi-probe study of the SEI on silicon based electrode in full cell configuration*	Lucille Quazuguel, Institut des matériaux Jean Rouxel (IMN), Université de Nantes-CNRS, France
12:30 – 12:45	*In situ Raman investigation of SEI growth on carbon-coated $ZnFe_2O_4$ anode material for Li-ion batteries*	Laura Cabo Fernandez, University of Liverpool, UK
12:45 – 13:00	*Influence of the design of high-energy-density graphite negative electrodes on the electrochemical performance*	Simon Malifarge, CNRS/ Renault car company, France
13:00 – 14:30	**Group Photograph followed by Lunch and Posters**	
14:30 – 15:00	*Modelling lithium battery electrolytes and solid electrolytes interphases*	Oleg Borodin, US Army Research Laboratories
15:00 – 15:15	*Evolution of the silicon-based anode upon cycling probed by operando synchrotron reflectivity and X-ray diffraction combined with ex situ Raman spectroscop*	Ekaterina Pavlenko, CEA, Commissariat à l'énergie atomique et aux énergies alternatives (CEA), France.
15:15 – 15:30	*Manufacturing and characterisation of an 'artificial' solid electrolyte interphase on lithium metal surfaces*	Markus Ding, Karlsruhe Institute of Technology, Germany
15:30 – 15:45	*Tailored electrolytes in different types of modern batteries*	Marek Marcinek, Warsaw University of Technology, Poland
15:45 – 16:00	*Development of fiber sensors network for measuring characteristic parameters in Li-ion cells*	Micael Nascimento University of Aveiro, Portugal
16:00 – 16:15	*In-depth surface chemistry focused investigation of Lithium-imide and imidazole-based electrolytes*	Gebrekidan Eshetu, Helmholtz Institute of Ulm, Karlsruhe Institute of Technology, Germany
16:15 – 16:45	**Coffee break**	

This project has received funding from the European Union's Seventh Programme for research, technological development and demonstration under Grant Agreement No. 608502

16:45 – 17:00	*Investigation of lithiation mechanisms and degradation of micrometric silicon composite electrodes*	Eric De Vito, CEA, LITEN/Univ. Grenoble, France
17:00 – 17:15	*In situ observation of Li intercalation into graphitic flakes of varying layer number*	Christopher Sole, University of Liverpool, UK
17:15 – 17:30	*SEI dynamics on $ZnFe_2O_4$ anode: insight into microscopic and macroscopic features by combined spectroscopic and electrochemical studies*	Francesco Nobili, University of Camerino, Italy
17:30 – 18:00	Open Discussion: Future Challenges for Battery Interfaces	Chair: Laurence Hardwick
18:00 – 18:10	Closing Remarks	Chair: Laurence Hardwick
20:00	**Dinner**	