



## Monday 28 July

11:00	Registration, Tea and Coffee	
12:00	Lunch	
12.45	<b>Welcome and Introductions</b>	
12.55	<b>Outline of Discussion Format</b> <i>Faraday Discussions</i> , Publishing Editors	
13.00	<b>Introductory Lecture</b> Richard McCreery* <i>University of Alberta, Canada</i>	<b>Paper 1</b>
	<b>Session 1: The many faces of carbon in electrochemistry</b> Session Chair: Katherine Holt / Ian Kinloch	
14:00	<b>Single Layer Graphene as an Electrochemical Platform</b> Héctor Abruña* <i>Cornell University, USA</i>	<b>Paper 2</b>
14:05	<b>Boron doped Diamond Biotechnology: From Sensors to Neurointerfaces</b> Philippe Bergonzo* <i>CEA-LIST, France</i>	<b>Paper 3</b>
14:10	<b>Creating and Testing Carbon Interfaces – Integrating Oligomeric Phthalocyanines onto single walled carbon nanotubes</b> Dirk Guldi* <i>Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany</i>	<b>Paper 4</b>
14:15	Discussion	
15:30	Afternoon Tea	
16:00	<b>Multifunctional Structural Energy Storage Composite Supercapacitors</b> Milo Shaffer* <i>Imperial College London, UK</i>	<b>Paper 5</b>
16:05	<b>Electro-deposition and re-oxidation of carbon in carbonate containing molten salts</b> George Chen* <i>University of Nottingham, UK</i>	<b>Paper 6</b>
16.10	Discussion	
17:00	Lightning Poster Presentations	
17:30	Poster Session and Wine Reception	
18:30	Dinner	

Tuesday 29 July

<b>Session 2: Carbon electrodes for energy storage</b> Session Chair: Peter Hall / Ian Kinloch		
09:00	<b>Effects of Structural Disorder and Surface Chemistry on Electric Conductivity and Capacitance of Porous Carbon Electrodes</b> Yury Gogotsi* <i>Drexel University, Philadelphia, USA</i>	Paper 7
09:05	<b>The effect of carbon porosity on the performance of Ionic Liquid based EDLCs</b> Asa Noofeli* <i>University of Sheffield, UK</i>	Paper 8
09:10	<b>Redox-active Electrolyte for Supercapacitor Application</b> Elzbieta Frackowiak* <i>Poznan University of Technology, Poland</i>	Paper 9
09:15	<b>Sodium molybdate – an Additive of Choice for Enhancing the Performance of AC/AC Electrochemical Capacitors in a Salt Aqueous Electrolyte</b> François Béguin* <i>Poznan University of Technology, Poland</i>	Paper 10
9:20	Discussion	
11:00	Morning Tea	
11:30	<b>Reduced Graphene Oxide Anchoring CoFe<sub>2</sub>O<sub>4</sub> Nanoparticles as an Effective Catalyst for Non-aqueous Lithium–Oxygen Batteries</b> Yong Cao*, Quan-Feng Dong <i>Xiamen University, China</i>	Paper 11
11:35	<b><i>In Situ</i> Raman Study of Lithium-ion Intercalation into Microcrystalline Graphite</b> Laurence Hardwick* <i>University of Liverpool, UK</i>	Paper 12
11:40	Discussion	
13:30	Lunch	
<b>Session 3: Role of surface contaminants, functionalities, defects and electronic structure</b> Session Chair: Julie MacPherson / John Foord		
14:30	<b>Electrochemistry of Well-defined Graphene Samples: Role of Contaminants</b> Robert Dryfe* <i>University of Manchester, UK</i>	Paper 13
14:35	<b>Controlled Covalent Modification of Epitaxial Single Layer Graphene on 6H-SiC (0001) with Aryliodonium Salts Using Electrochemical Methods</b> Keith Stevenson* <i>The University of Texas at Austin, USA</i>	Paper 14
14:40	<b>Electrochemical Characterisation of Graphene Nanoflakes with Functionalised Edges</b> Daren Caruana* <i>University College London, UK</i>	Paper 15

14:45	Discussion	
16:00	Afternoon Tea	
16:30	<b>Probing the Charging Mechanisms of Carbon Nanomaterial Polyelectrolytes</b> Stephen Hodge* <i>Imperial College London, UK</i>	<b>Paper 16</b>
16:35	<b>Spontaneous Formation of Metallic Nanostructures on Highly Oriented Pyrolytic Graphite (HOPG): An Ab-initio and Experimental Study</b> Fernanda Juarez* <i>Institute of Theoretical Chemistry, Ulm University, Germany</i>	<b>Paper 17</b>
16:40	<b>Nanodiamond Surface Redox Chemistry: Influence of Physicochemical Properties on Catalytic Processes</b> Thomas Varley* <i>University College London, UK</i>	<b>Paper 18</b>
16:45	Discussion	
18:00	Close of sessions	
19:00	Pre-Dinner Drinks	
19:30	Conference Dinner	

Wednesday 30 July

	<b>Session 4: Carbon electrode interfaces for synthesis, sensing and electrocatalysis</b> Session Chair: John Foord / Julie MacPherson	
09:00	<b>Photoemission from Diamond Films and Substrates into Water: Dynamics of Solvated Electrons and Implications for Diamond Photoelectrochemistry</b> Robert Hamers <i>University of Wisconsin-Madison, USA</i>	Paper 19
09:05	<b>Synthesis of Iodobiaryls and Dibenzofurans by Direct Coupling at BDD Anodes</b> Siegfried Waldvogel* <i>Johannes Gutenberg-Universität Mainz, Germany</i>	Paper 20
09:10	<b>Laser Heated Boron Doped Diamond Electrodes: Effect of Temperature on Outer Sphere Electron Transfer Processes</b> Mark Newton* <i>University of Warwick, UK</i>	Paper 21
09:15	Discussion	
10:30	Morning Tea	
11:00	<b>Selection, Characterisation and Mapping of Complex Electrochemical Processes at Individual Single-walled Carbon Nanotubes: the Case of Serotonin Oxidation</b> Aleix Guell* <i>University of Warwick, UK</i>	Paper 22
11:05	<b>Glutamate Biosensors Based on Diamond and Graphene Platforms</b> Jingping Hu* <i>University of Oxford, UK</i>	Paper 23
11:10	<b>Comparison of Carbon Materials as Electrodes for Enzyme Electrocatalysis: Hydrogenase as a Case Study</b> Jonathan Quinson* <i>University of Oxford, UK</i>	Paper 24
11:15	Discussion	
12:30	<b>Concluding remarks</b> Patrick Unwin* <i>University of Warwick, UK</i>	Paper 25
13:15	<b>Acknowledgements</b>	
13:20	<b>Close of meeting</b>	
13.20	<b>Lunch</b>	