



UNIVERSITY OF BIRMINGHAM



# 10th International Hydrogen & Fuel Cell Technical Conference

26-27 March 2014, Millennium Point, Birmingham, B4 7XG

## Fuel Cells & Hydrogen for Future Transport & Buildings

**Strategic Commitment**  
Technological Advancement  
**Receptions • Awards**  
Innovation • Vehicles

**Small & Large Scale CHP**  
International Best Practice  
**Networking • Posters**  
Research



[swarm-project.eu](http://swarm-project.eu)

**Students:**  
£60 Per Day\*

**Delegates:**

**1 Day - £150\*    2 Days - £250\***

\*Early Booking Discount  
20% late fee applies after 11<sup>th</sup> March 2014  
See our website for more details:  
[www.fuelcells.bham.ac.uk](http://www.fuelcells.bham.ac.uk)



**Booking Places Now! - [www.fuelcells.bham.ac.uk](http://www.fuelcells.bham.ac.uk)**

# 26 March 2014

08:00 - 09:00	<i>Registration - Refreshment - Exhibition - Networking</i>		
<b>09:00</b>	<b>Keynotes</b>		
09:00 - 09:15	<i>Welcome</i>		
09:15 - 09:45	<i>Opening</i>		
09:45 - 10:15	<b>Alex Stewart – Element Energy:</b> Progress Towards a Roll Out of a UK Hydrogen Transport System		
10:15 - 10:45	<b>Daniel Barret – Hydrogen London:</b> Hydrogen in London		
<b>10:45 - 11:15</b>	<i>Coffee Break</i>	<i>Posters</i>	
11:15 - 11:45	<b>Robert Steinberger-Wilckens – PLANET:</b> SWARM: Roll Out of 100 Hydrogen Vehicles in Europe		
11:45 - 12:15	<b>HighVLOcity Project (TBC):</b> Development and Demonstration of FCH Buses for Europe		
12:15 - 12:45	<b>Liz Flint – TSB:</b> Successfully Implementing Hydrogen Projects – The TSB Programme		
<b>12:45 - 14:00</b>	<i>Lunch</i>	<i>Posters</i>	
<b>14:00</b>	<b>H2FC Hub:</b> Presenting the White Paper on Low Carbon Heating Systems		
14:00 - 15:30	<b>Paul Ekins – University College London:</b> The Role of Hydrogen and Fuel Cells in Providing Affordable, Secure Low-Carbon Heat		
<b>15:30 - 16:00</b>	<i>Coffee Break</i>	<i>Posters</i>	
<b>15:30</b>	<b>Workshops / Parallel Sessions</b>		
	<i>Fuel Cell Vehicles (1)</i>	<i>Fuel Cell Materials &amp; Concepts (1)</i>	<i>Hydrogen Production &amp; Storage (1)</i>
16:00 - 16:30	<b>Ben Todd &amp; Simon Mylius – Arcola Energy:</b> Fuel Cell Hybrid Power Systems for Lightweight Electric Vehicles	<b>Iain Staffell – Imperial College London:</b> The Cost of Domestic micro CHP Systems	<b>Alison Parkin – University of York:</b> Harnessing Sewage Microbes in Hydrogen Production
16:30 - 17:00	<b>Jin Lei Shang – MicroCab/Coventry University:</b> Technical Development of H2EV	<b>Chris Knight – Rolls-Royce / LGFCS:</b> New Developments for SOFC systems	<b>Massimo Bertonci – Engineering:</b> The INGRID project: Development of Smart Grids for Hydrogen Energy
17:00 - 17:30	<b>Hugo Spowers – Riversimple:</b> Advances in Riversimple Production Vehicle	<b>Nigel Brandon – Imperial College London:</b> Understanding SOFC Electrodes: Characterisation, Design and Fabrication	<b>Bill Powell – H2-Patent:</b> Climate Change Technologies: Options, Dilemmas, Road Map
17:30 - 18:00	<b>Billy Wu – Imperial College London:</b> Fuel Cell Supercapacitor Passive Hybrid Powertrains for Electric Vehicles	<b>Amrit Chandan – University of Birmingham:</b> Investigating Electrodes for IT-PEFCs: GDL Material Properties and their Influence	<b>TBC</b>
<b>18:00</b>	<b>End of Day</b>		

# 27 March 2013

08:00 - 09:00	<i>Registration - Refreshment - Exhibition - Networking</i>		
<b>09:00</b>	<b>Public Acceptance</b>		
09:00 - 09:30	<b>Jon Cape – iPower:</b> Socio-Economic Impact of Fuel Cells and Hydrogen		
09:30 - 10:00	<b>Scott Hardman – University of Birmingham:</b> Infrastructure and Market Introduction for Disruptive Products – The Fuel Cell Case		
10:00 - 10:30	<b>Paul Dodds – University College London:</b> Emerging Hydrogen Markets for Transport and Electricity Storage		
<b>10:30 - 11:00</b>	<i>Coffee Break</i>	<i>Posters</i>	
<b>11:00</b>	<b>Hydrogen Safety</b>		
11:00 - 11:30	<b>Dmitiry Makarov – University of Ulster:</b> High Pressure On-Board Storage: Overview of Safety Issues		
11:30 - 12:00	<b>Thomas Jordan – KIT:</b> Safety in Hydrogen Handling		
12:00 - 12:30	<b>Verena Wiget – TUEV-Sued:</b> Hydrogen Vehicles and Safety Approval		
<b>12:30 - 14:00</b>	<i>Lunch</i>	<i>Posters</i>	
<b>14:00</b>	<b>Workshops / Parallel Sessions / University Showcase</b>		
	<i>Fuel Cell Vehicles (2)</i>	<i>Fuel Cell Materials &amp; Concepts (2)</i>	<i>Hydrogen Production &amp; Storage (2)</i>
14:00 - 14:30	<b>Simon Graham – Commercial Group:</b> Incorporating Hydrogen into Fleet Operations	<b>Chris Gibbs – Amalyst:</b> High-Performance Non-Platinum Catalyst for Fuel Cells and Water Electrolysers	<b>Gavin Walker – University of Nottingham</b>
14:30 - 15:00	<b>Amy Campbell – Loughborough University:</b> Public Acceptance of Hydrogen Technologies	<b>K.E. Cooke, P. Hamilton &amp; S. Field – MIBA:</b> PVD Carbon Coatings for Electrochemical Applications	<b>David Book – University of Birmingham:</b> Materials for Hydrogen Storage and Purification
15:00 - 15:30	<b>TBC</b>	<b>Richard Baker – University of St Andrews:</b> Nanoparticulate Substituted Cerias for Application in SOFCs	<b>Dan Brett – University College London:</b> Advanced Diagnostics for PEM Electrolysers
<b>15:30 - 16:00</b>	<i>Coffee Break &amp; Networking</i>		
<b>16:00</b>	<b>Poster Awards &amp; Closing Remarks</b>		
<b>16:30</b>	<b>Close</b>		