

	Keynotes talks	
09.00-09.30	Registration & Morning Refreshments	
09.30-09.45	Conference Opening & Welcome	
9.45-10.10	Cristian Savaniu University of St Andrews	Tailoring the microstructure of impregnated SOFC electrodes for improved performance
10.10-10.35	Nana Zhao National research Council Canada	Effects of Membrane Additives on PEMFC Conditioning
10.35-11.00	Robert Steinberger-Wilckens University of Birmingham	Preparing the workforce for FCH technology companies
11.00-11.30	Coffee Break with Exhibitors	
11.30 - 11.55	Andy Williams DNV GL	Hydrogen and other routes to decarbonisation of the gas network'
11.55 - 12.20	Nick Van Daijk PV3 Technologies	Power to Gas in the UK energy system
12.20- 12.45	Zeynep Kurban Imperial College London	The H2FC Hub: Identifying the opportunities for Hydrogen and Fuel Cells in the UK
12:45 - 14:00	Lunch and Poster Session	



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	Session 1: PEFC development	
14:00 - 14:20	Larisa Karpnko-Jereb Graz university of Technology	Impact of material properties on the PEMFC performance: comprehensive computational study
14:20 - 14:40	Peter Mardle University of Birmingham	The development of aligned PtNi NW electrodes for PEMFCs
14:40 - 15:00	Irina Profatilova CEA	The impact of trace concentrations of NH3 in hydrogen on polymer electrolyte membrane fuel cell performance under automotive load cycling
15:00 - 15:20	David Ward University of Chester	Impact of varying temperature and catholyte concentration within a chemically regenerative redox cathode polymer electrolyte fuel cell system using phosphomolybdoxovanadium polyoxoanion catholyte
15:30 - 15:45	Coffee Break with Exhibitors	

	Session 2: SOFC development	
	A Sheikhsari University of Sheffield	Study of Solid Oxide Fuel Cell Stabilisation under Load Using EIS Analysis and Polarisation Curves
	Alessia Masini Institute of Physics of Materials, Academy of Sciences of the Czech Republic	Mechanical Characterisation of Multi-layered Ceramic Systems for SOC
	Graham Stevenson Imperial College London	The Contribution of Microstructure on Electrochemical and Catalytic Properties in Lanthanum-Doped Strontium Titanate (LST)
	Oujen Hodjati-Pugh University of Birmingham	Multiphysics Modelling of a Segmented Microtubular SOFC: A Study of Interconnect Configuration
	Coffee Break with Exhibitors	

	Session 3: Hydrogen production and infrastructure	
	Daniel Scamman UCL	Impact of compression and purification requirements on hydrogen deployment pathways
	J.E Graves Coventry University	Novel Production of Renewable Hydrogen from Agricultural and Municipal Waste
	Mehmet Fatih Kaya Erciyes University, Kayseri, Turkey	Modelling of Lorentz Force effects on PEM Water Electrolysis Performance
	Lois Milner University of Birmingham	Ni@SiO2 vs SiO2@Ni Catalyst: The effect of catalyst/support orientation on reforming performance
	Coffee Break with Exhibitors	

	Session 4: Electrochemistry	
15:45 - 16:05	Min Wang Wuhan University of technology	Controllable Synthesis and Mechanism study of Fe-based Catalyst toward Oxygen Reduction Reaction
16:05 - 16:25	Aimee Jackson University of Birmingham	Improved Durability Of DMFC Anode Catalyst Through Use Of A Manganese Oxide – Graphene Oxide Hybrid Catalyst Support
16:25 - 14:45	Daniel Smith University of Nottingham	The Use of Acid-Supplemented Protic Ionic Liquid Electrolytes in Fuel Cells – Consequences for the Oxygen Reduction Reaction
16.45 -17.00		

	Session 5: SOFC Development	
	Christian J Laycock University of South Wales	Fuel processing of H2/CO2 mixtures from biohydrogen production processes in solid oxide cell devices
	Kun Zhang University of Birmingham	Effect of Alloy Composition on the Oxidation Behaviour and Cr Evaporation of High-Cr Steels for SOFC Cathode Air Pre-Heater
	TBC	

	Session 6: Fuel Cell Applications	
	Alex Thirkell Loughborough University	Thermodynamic Feasibility for Civil Aircraft Fuel Cell APU
	Dongxiao Coventry University	Feasibility study of Connected & Demountable Fuel Cell Range Extender for Electric Vehicles
	Beatrice Sampson University of Birmingham	An Overview of Methodologies for Externality Costing Evaluation