

Actual Time	Time allocated (min)	Day 1 (Monday, 17 Feb 2020)	
10:00	01:00	Registration and coffee Location: Council Room Foyer	
		Plenary Session 1 Location: Great Hall	
		Chaired by: Nigel Brandon	
11:00	00:05	Opening remarks by: Nigel Brandon	
11:05	00:35	Plenary speaker 1A: TBC (BEIS)	
		Topic: Hydrogen in the UK low carbon economy	
11:40	00:35	Plenary speaker 1B: Dr Christian Walter - Sunfire	
		Topic: Status of SOEC and SOFC activities at Sunfire	
12:15	01:00	Lunch Location: Senate Chamber	
	01:20	Parallel Session 1.1 Location: Great Hall Theme: Hydrogen Production Chaired by: Robert Steinberger-Wilckens	Parallel Session 1.2 Location: Senate Chamber Theme: Fuel Cells Chaired by: Anthony Kucernak
13:15	00:20	Keynote speaker 1.1.A: Nathaniel Cooper, Imperial College London Title: Framework for the Design & Operation of a Wind-Powered Gigawatt-Scale Hydrogen Electrolyzer	Keynote speaker 1.2.A: Graham Smith, National Physical Laboratory Title: Measuring the Impact of Hydrogen Contamination on PEMFC Short Stacks
13:35	00:20	Speaker 1.1.B: Christopher de Leeuwe, Manchester University Title: H2 production via chemical looping methane reforming	Speaker 1.2.B: Jennifer Hack, University College London Title: Four dimensional imaging of degrading polymer electrolyte fuel cells
13:55	00:20	Speaker 1.1.C: Laurie King, Manchester Metropolitan University Title: A non-precious metal hydrogen catalyst in a commercial polymer electrolyte membrane electrolyser	Speaker 1.2.C: Daniel Smith, University of Nottingham Title: The Nature of Proton Shuttling in Protic Ionic Liquid Fuel Cells
14:15	00:20	Speaker 1.1.D: Bahman Horri, University of Surrey Title: Development of a red-ox process for sustainable production of hydrogen	Speaker 1.2.D: Georgios Tsimekas, University of St Andrews Title: Spray pyrolysis strategy for preparation of cathode-supported protonic ceramic fuel cells
14:35	00:20	Speaker 1.1.E: Venkatesan Krishnan, Teesside University Title: Hydrogen generation using a catalytic membrane reactor (CMR) - steam methane reformer (SMR) - process simulation and reactor modelling	Speaker 1.2.E: Alexandros Symillidis, Loughborough University Title: Ethanol electro-oxidation reaction (EOR) in alkaline medium using electrospun conductive polyaniline fibres as a promoter and support for Pd catalysts
14:55	00:25	Coffee Break Location: Great Hall	
	01:20	Parallel Session 2.1 Location: Great Hall Theme: Hydrogen Storage Chaired by: Tim Mays	Parallel Session 2.2 Location: Senate Chamber Themes: Policy, economic and social aspects of hydrogen and fuel cell technologies The role of hydrogen and fuel cells in the energy system Chaired by: Paul Dodds/ Robert Steinberger-Wilckens
15:20	00:20	Keynote speaker 2.1.A: Valeska Ting, University of Bristol Title: Hydrogen storage in nanoporous materials – insights from investigations into high density hydrogen	Keynote Speaker 2.2.A: Paul Dodds, UCL Title: Insights from upcoming H2FC SuperGen Hub report: UK industrial strategy opportunities from H2&FC report
15:40	00:20	Speaker 2.1.B: Mi Tian, University of Bath Title: Engineering porous materials for hydrogen application	Speaker 2.2.B: Paul van Schaik, Teesside University Title: A method for developing energy citizenship to enable decarbonisation solutions
16:00	00:20	Speaker 2.1.C: Elizabeth Ashton, Loughborough University Title: Vapour hydrolysis of complex hydrides for mobile hydrogen storage	Speaker 2.2.C: Robert Steinberger-Wilckens, University of Birmingham Title: Decarbonising freight transport - the role of hydrogen-based fuels
16:20	00:20	Speaker 2.1.D: Sanliang Ling, University of Nottingham Title: Extracting an Empirical Intermetallic Hydride Design Principle from Limited Data via Interpretable Machine Learning	Speaker 2.2.D: Nixon Sunny, Imperial College London Title: Design of low-carbon hydrogen and CCS infrastructure for the decarbonisation of heat in the UK
16:40	00:20	Speaker 2.1.E: Marcus Adams, University of Nottingham Title: The potential for additive manufacturing to optimise heat transfer in metal hydride reactors	Speaker 2.2.E: Xinjie Yuan, University College of London Title: A Novel Design of Solid Oxide Fuel Cell-Based Combined Cooling, Heat and Power Residential System in the UK
17:00	00:20	Coffee Break Location: Great Hall	
		Plenary Session 2 Location: Great Hall	
		Chaired by: Gavin Walker	
17:20	00:35	Plenary Speaker 2A: Dr Michael Hirscher, Max Planck Institute for Intelligent Systems, Stuttgart	
		Topic: Hydrogen storage in nanoporous materials: Advantages and limitations	
17:55	00:10	10-min break	
18:05	01:00	3MT competition Location: Great Hall Members of the committee: Tim Mays and Paul Dodds	
19:05	01:00	Poster session 1 with DRINKS RECEPTION Location: Great Hall Members of the committee: TBD	
20:05	02:00	Conference dinner Location: Senate Chamber	