

HyDEX Hydrogen Summer School

Confirmed

	Day 1		Day 2		Day 3		Day 4		Day 5
	9th Sept		10th Sept		11th Sept		12th Sept		13th Sept
	Loughborough Unviersity The Kelvin, Hollywell Park Conference Centre		Loughborough Unviersity The Kelvin, Hollywell Park Conference Centre		University of Birmingham School of Chemical Engineering Room 112		Cranfield University - Cranfield Management Development Centre		Cranfield University - Cranfield Management Development Centre
8:50-9:25	TEA/COFFEE: Registration	8:50-9:25	TEA/COFFEE: Sign-in	8:00-9:00 9:00-9:25	TRAVEL TIME: Sign-in + Tea/Coffee	8:00-9:00 9:00-9:25	TRAVEL TIME: Sign-in + Tea/Coffee	8:00-9:00 9:00-9:25	TRAVEL TIME: Sign-in + Tea/Coffee
9:30-9:50	<i>Welcome and Introductions</i> <i>Kathryn North</i>	9:30-10:15	<i>Hydrogen Metrology</i> <i>Dr Paul Holland</i>	9:30-10:15	<i>Welcome and Presentation</i> <i>Dr Yousif Al Sagheer</i> <i>Fuel cells for transport applications and hydrogen fuel infrastructure</i>	9:30-10:00	<i>Welcome</i> <i>Prof. Nazmiye Ozkan</i>	9:30-10:00 10:00-10:30	<i>Presentation</i> <i>Sandun Dissanayake</i> <i>Hydrogen Pipeline Transportation</i> <i>Jo-Anne Tomkins, Senior Principal Engineer, DNV</i>
9:50-10:20	<i>Reversible Solid Oxide fuel Cells (rSOC) for building energy management</i> <i>Dr Thomas Steffen</i>	10:15-10:50	<i>Loughborough researcher presentations</i> <i>Ashley van Bruygom</i>	10:15-11:15	<i>Fuel cell seminar:</i> <i>Topic 1: Low temperature fuel cells</i> <i>Hadi Heidary</i> <i>Topic 2: Solid Oxide Cells</i> <i>Bernardo Sarruf / Kun Zhang</i>	10:00-10:20	<i>Overview of Hydrogen Research in Cranfield University</i> <i>Prof. Upul Wijayantha</i>	10:30-11:10	<i>Hydrogen Research at University of Warwick</i> <i>Prof. Sai Gu</i>
10:20-10:50	<i>Battery Electrolysers for Green Hydrogen Production</i> <i>Dr Elizabeth Ashton</i>	10:50-11:10	TEA/COFFEE BREAK	11:15-11:30	TEA/COFFEE BREAK	10:20-11:00	<i>Catalysts for ammonia combustion</i> <i>Dr Siqi Wang</i> <i>Research Fellow in Chemical Engineering</i> <i>Cranfield University</i>	11:10-11:30	TEA/COFFEE BREAK: Networking
10:50-11:10	TEA/COFFEE BREAK	11:10-11:40 11:40-12:00	<i>Thermally assisted alkaline water electrolysis for fast ramp up</i> <i>Dr Dowon Bae</i> <i>Simon George Novasci - Digital Twin HyPER</i>	11:30-12:00 12:00-12:30	<i>Hydrogen production via biomass conversion</i> <i>Paula Blanco-Sanchez</i> <i>Aston University</i> <i>Hydrogen-based fuels</i> <i>Dr Artur Majewski</i> <i>University of Birmingham</i>	11:00-11:20	TEA/COFFEE BREAK	11:30-12:00	<i>Hydrogen Safe Talk</i> <i>Elizabeth Simon</i>
11:10-12:40	<i>EDI workshop</i> <i>Dr Lennie Foster</i>	12:15-13:15	LUNCH BREAK	12:30-13:30	LUNCH BREAK	11:20-12:00	<i>Role of Hydrogen in Sustainable Aviation – Jenny Kavanagh, Chief Strategy Officer, Cranfield Aerospace Solutions Ltd.</i>	12:00-13:00	<i>Cranfield Tours:</i> <i>(v). AD Biogas production research facility</i> <i>(vi). EPAD lab</i> <i>(vii). HyWaves Green Hydrogen Production Demonstrator</i>
12:40-13:30	LUNCH BREAK	13:00-13:50	<i>Interactive workshop: VR Digital Twin - HyPER & Horizon Hydrogen Fuel Cell Cars Kits</i>	13:30-14:00	TRAVEL TIME: To Tyseley Energy Park	12:00-13:00	LUNCH BREAK	13:15-14:15	LUNCH BREAK: Networking
13:45-15:45	<i>Loughborough Tours: Battery Electrolyser lab</i> <i>Electrochemical energy and environmental lab</i> <i>Fuel cell lab</i>	14:00-14:30	<i>Hydrogen Supply Chain - Alok Choudhary, University of Warwick</i>	14:00-15:30	<i>Tour of Tyseley Engery Park including hydrogen facilities - Birmingham Energy Innovation Centre, Refuelling station, Ammonia Cracker</i>	13:00-15:00	<i>Cranfield Tours:</i> <i>(i). HyPER Blue Hydrogen Demonstrator</i> <i>(ii). Hydrogen Refueler</i> <i>(iii). HyDEX Methane cracking Demonstrator</i> <i>(iv). Solid-state Fuel Cell research test rig</i>	14:15-14:45	<i>Hydrogen-Ammonia in Lean Burn Engines: Driving Sustainable Transport and Power with Decarbonized Fuels</i> <i>Dr Sikai Geng</i> <i>University of Nottingham</i>
15:45-16:30	TEA/COFFEE BREAK: Networking	14:30-15:00 15:00-16:30	<i>Introduction to Intelligent Energy</i> <i>Dr Chris Dudfield / Simon Foster</i> <i>Tour: Intelligent Energy site tour</i>	15:30-16:00	TEA/COFFEE BREAK: Networking / Q&A	15:00-16:00	TEA/COFFEE BREAK: Networking / Researcher poster exhibition	14:45-15:15	<i>Skills Transition workshop</i> <i>Hanlin Li</i> <i>Loughborough University / Corporate Risk Associates</i>
18:30-20:00	Welcome evening meal at Burleigh Court			18:30-20:00	Evening meal at Burleigh Court			15:15-15:30	<i>Close and Evaluation</i> <i>Sandun Dissanayake / Sarah Gomes</i>

Schedule is subject to change