

AGENDA

	<b>MORNING SESSION</b>
09:00	<b>Registration</b> and coffee Put up posters Sign up for tours
09:30	<b>Welcome:</b> Robert Sorrell, <i>Royce Hydrogen Accelerator</i> <b>Chair:</b> Francesco Fanicchia, <i>Cranfield</i>
09:40	<b>Keynote talk:</b> Rebecca Advani, <i>Connected Places Catapult/ Hydrogen Innovation Initiative</i>
	Flash talks: 5 slides in 5 minutes with 5 minutes for questions
10:15	<b>Flash talks. Production session A</b> <b>Session chair:</b> Rachael Keslake, <i>Manchester</i>
10:20	(037) <b>Machine Learning-based Materials Design of Pt-based Alloys for Hydrogen Fuel Cell Catalysis</b> , Lakshmi Shenoy, <i>Warwick</i>
10:30	(044) <b>Enhancing green hydrogen production efficiency by uncovering solid oxide electrolyser (SOEC) fuel electrode degradation routes</b> , Jeffrey de Vero, <i>Ceres Power</i>
10:40	(050) <b>Accelerated Discovery of Electrocatalysts for Green Hydrogen Production</b> , Troy Manning, <i>Liverpool</i>
10:50	(061) <b>Scale-up of novel earth-abundant electrocatalyst for sustainable green hydrogen production</b> , Mojtaba Abdi Jalebi, <i>UCL</i>
11:00	<b>Observation of a minute's silence in recognition of Armistice Day</b>  <b>Coffee break and posters</b>
11:30	<b>Keynote talk:</b> Richard Doyle, <i>JCB</i> . <b>Chair:</b> Francesco Fanicchia, <i>Cranfield</i> Gaseous H <sub>2</sub> -fuelled Internal combustion engines for the off-road machinery sector
11:55	<b>Flash talks. Production session B</b> <b>Session chair:</b> Reshma Rao, <i>Imperial</i>
11:55	(090) <b>Material advancement for ultra-high efficiency, low-cost electrodes for high pressure electrolysis</b> , Natalie McCleod, <i>Supercritical Solutions Ltd</i>
12:05	(124) <b>Ionomer intercalated novel 2D materials-based membranes for hydrogen cross over mitigation in water electrolyser</b> , Amritroop Achari, <i>Manchester</i>
12:15	(196) <b>Feasibility Study on Multi-Metal Alloy Catalysts for Enhanced OER and HER Performance: Pathways to Commercial Viability</b> , Augusto Bartolome, <i>Electrogenos</i>
12:25	<b>UK-HyRES update</b> , Sibimol Luke, <i>UCL</i>
12:40	<b>Lunch, posters and networking</b>

Link to online  
copy of  
conference  
programme



# Royce Hydrogen Conference 2025

Tuesday 11 November 2025

AIRC, Cranfield University

	<b>AFTERNOON SESSION</b>	
13:45	<b>Update on the Royce Hydrogen Accelerator</b> , Nick Avis, <i>Royce Hydrogen Accelerator</i> <b>Chair:</b> Robin Morris, <i>Oxford</i>	
14:00	<b>Keynote talk:</b> Validation of liquid hydrogen analytical data with physical testing, Ben Richardson, <i>Element</i> <b>Chair:</b> Francesco Fanicchia, <i>Cranfield</i>	
14:25	<b>Flash talks. Storage session.</b> <b>Session chair:</b> Michael Hills, <i>Oxford</i>	
	14:25	(059) <b>High Performance Infusible Thermoplastic Resin for Hydrogen Storage</b> , Peter Hansen, <i>Hive Composites</i>
	14:35	(200) <b>Ortho-Para Conversion of Hydrogen Demonstrator (OPCHD)</b> , Peter George, <i>Lux Industries</i>
14:45	<b>Coffee break and posters</b>	
15:15	<b>Update on Royce testing capabilities</b> , Royce Research Area Leads Francesco Fanicchia, <i>Cranfield</i> and Fabio Scenini, <i>Manchester</i>	
15:30	<b>Flash talks. Permeation and degradation session.</b> <b>Session chair:</b> Sepideh Aliasghari, <i>Manchester</i>	
	15:30	(149) <b>Evaluation of the inputs of design and alloy choice on the lifetime of the steel substrate for Ceres's electrolyser</b> , Jorge Valle, <i>Ceres Power</i>
	15:40	(169) <b>Novel low-cost hard-facing materials for hydrogen energy applications</b> , Yin Nan Kok, <i>Powder Loop</i>
	15:50	(191) <b>Understanding Hydrogen Permeation through Stainless Steel – HYPER</b> , Vikesh Kumar, <i>Cranfield</i>
16:00	<b>Closing remarks</b> Paul Monks, Royce Governing Board	
16:10	<b>Optional tours</b> – sign up at registration to be allocated a place on a tour Places will be allocated on a first-come, first-served basis	
17:00	Conference closes	

FINAL 6 Nov 2025

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# ROYCE