

# UKCCSRC Poster Presentations: Tuesday 16<sup>th</sup> November 2021



<b>Time</b>	<b>Breakout Room 1: Capture</b> Chair: Daniel Mullen, University of Edinburgh	<b>Breakout Room 2: Capture</b> Chair: Mikhail Gorbounov, Brunel University	<b>Breakout Room 3: Storage &amp; Transport</b> Chair: Catrin Harris, ICL	<b>Breakout Room 4: Storage &amp; Transport</b> Chair: Christopher McMahon, Strathclyde University	<b>Breakout Room 5: Systems &amp; Policy</b> Chair: Solene Chiquier, ICL
13:00-13:10	Welcome and Introduction, Jon Gibbins, UKCCSRC Director				
13:10-13:25	'H2 Production from Waste Glycerol via Chemical Looping Reforming' by Christopher de Leeuwe, University of Manchester	'Black liquor gasification with calcium looping for carbon-negative pulp and paper industry' by Monica Santos, Cranfield University	'Well Decommissioning in the Energy Transition' by Renato Zagorscak, Quintessa Ltd.	'SCARP North Sea: Storage Capacity and Reserve Provision - The gigatonne challenge embedded in European net zero' by Andrew Cavanagh, University of Edinburgh	'Stakeholder supply chain appraisals of greenhouse gas removal (GGR) approaches' by Diarmaid Clery, University of East Anglia
13:25-13:40	'Integrated CO2 Capture and Methanation process on Ru/CeO2-MgO Catalyst: Morphology effect from CeO2 support' by Chunfei Wu, Queen's University Belfast	'Pilot Scale Carbon Capture Using Solid Sorbents (MOFs) – PICASSO' by Edward Lester, University of Nottingham	'Funding support available to access ECCSEL facilities for CCUS research' by Helen Taylor-Curran, BGS	'Fugro's seismic resolution uplift – a cost effective shallow CO2 monitoring solution?' by Benedict Robbins, Fugro	'Discourses of Delay: Networked narratives about Carbon Capture and Storage projects' by Nigel Williams, University of Portsmouth
13:40-13:55	'Tuning Cu-Mg-Al Oxygen Carriers for Chemical Looping Applications' by Michael High, Imperial College London	'Chemical Looping Direct H2 Production in a Packed Bed Reactor', by Adam Zaidi, University of Manchester	'Lesser Pore Structure Tortuosity Results in More CaCO3 Precipitation in a Given Pore Volume' by Ryan Payton, Royal Holloway, University of London	'Integrated economic modelling for screening of CCUS projects' by Mohammad Evazi, ESGWAY Corporation	'Seizing sustainable growth opportunities from carbon capture, usage and storage in the UK' by Esin Serin, LSE

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13:55-14:05	Comfort Break				
14:05-14:20	'Direct Air Capture technology Development during Covid-19' by Baljeet Singh, Kyushu University	'Carbon capture utilization in soil by using natural clay minerals' by Mardin Abdalqadir, Teesside University	'Advancing the Capability of Passive Seismic CO2 Monitoring Technology - Cuttlefish Carbon Guard by TensorGEO' by Roy Bitrus, TensorGEO	'The leakage behaviour of liquid CO2 under shipping conditions' by Hisham Al Baroudi, Cranfield University	'CCUS systems analysis through cognitive mapping: a participatory process to support decision making' by Jazmín Mota-Nieto, University of Edinburgh
14:20-14:35	'A Ca-Cu chemical loop process for CO2 capture in steel mills: reactor and system performance analysis', by Syed Zaheer Abbas, University of Manchester	'Computational fluid dynamics investigation of the role of CO in methanol synthesis' by Stylianos Kyrimis, University of Southampton			
14:35-14:45	Session Close				