

CET Research Day Program 2022, Mon April 11, Sanctuary Function Centre, Adelaide Zoo

Topic	Speaker	Time
Registration and coffee		9:00 - 9:10am
Welcome	Maziar Arjomandi (Chair)	9:10 - 9:15am
Session 1: New Opportunitites in the Low-carbon Transition		
Emerging technologies to support the Net Zero Transition	Gus Nathan	9:15 - 9:35am
New initiatives in ISER to support the Net Zero Transition	Kathryn Amos	9:35 - 9:50am
Translational Business Opportunities for Clean Energy Vectors	Volker Hessel	9:50 - 10:05am
Panel Discussion	Maziar Arjomandi (Chair)	10:05 - 10:25am
Coffee and Posters		10:25 - 11:00am
Poster Judging with formal panel		10:40 - 11:00am
Session 2: The Low-carbon Heavy Industry Transition - Opportunities and Challenges		
Chair	Gus Nathan	
Keynote: Heavy industry perspective on prospective pathways for the low-carbon transition	Felicity Lloyd, CEO HILT CRC	11:00 - 11:20am
Economic drivers and opportunities through regional hubs	Liam Wagner	11:20 - 11:35am
Alumina	Woei Saw	11:35 - 11:50pm
Opportunities to optimise processes with optical diagnostics	Zhiwei Sun	11:50 - 12:05pm
Opportunities for Machine Learning in accelerating modelling	Ehsan Abbasnejad, AIML	12:05 - 12:20pm
Panel Discussion	Panel Discussion	12:20 - 12:35
Lunch & Posters		12:35 - 1:35pm
Poster judging with formal panel		1:15 - 1:35pm
Session 3: Hydrogen / Alternative Fuels		
Opening comments from the Chair	David Norman, FF-CRC	1:35 - 1:40pm
Industry perspective: the drivers for hydrogen and alternate fuels in the net-zero transition and the role of research to deliver success	Rachelle Doyle	1:40 - 2:00pm
Review of HyPT-2 - emerging technologies with strong potential	Greg Metha	2:00 - 2:15pm
Toward a common framework for comparison of different products	Tara Hosseini	2:15 - 2:30pm
New technologies using organic molecules for photocatalysis	Jessica de la Perrelle	2:30 - 2:45pm
Underground storage of H2	Ulrike Schacht	2:45 - 3:00pm
Closing remarks from the Chair & Panel Discussion	David Norman, FF-CRC and Panel Discussion	3:00 - 3:20pm
Afternoon coffee & Posters		3:20 - 3:40pm
Session 4: Opportunities for Australia in New-energy Materials		
Opening comments from the Chair	Graham Heinson	3:40 - 3:45pm
Critical Minerals	Carl Spandler	3:45 - 4:00pm
Copper CRC proposal	Nigel Cook	4:00 - 4:15pm
Comminution and beneficiation	Alfonso Chinnici	4:15 - 4:30pm
New materials for batteries	Zaipeng Guo	4:30 - 4:45pm
Panel Discussion	Panel Discussion	4:45 - 5:10pm
CET Research Awards announced	Woei Saw with Simon Nitschke and Andrew Richardson	5:10 - 5:20pm
CET Research Day Best Posters announced/Closing remarks	Woei Saw with Simon Nitschke and Andrew Richardson	5:20 - 5:30pm
Drinks & Posters		5:30 - 6:30pm