



The Australian Carbon Capture and Storage Research Conference 2017

AGENDA

Date: **Tuesday 20 June 2017**

Time: 8:30am – 6:30pm

Location: Level 1, The Arts West Building, The University of Melbourne

[\[Google Map\]](#)

Starting at	Agenda	
8.30am	Registration Opens (Tea and Coffee upon arrival)	
8:45am	Welcome and Housekeeping	
9:00am	Plenary Session The State of CCS in Australia	
10:20am	Morning Tea & Posters	
10:50am	Parallel Presentations	CO2 Storage Site Characterisation and Monitoring
		Advanced Capture Systems
1:00pm	Lunch & Posters	
2:00pm	Parallel Presentations	Predicting CO2 Storage Conditions
		Technology Development, Capture Systems and BECCS
3:50pm	Afternoon Tea & Posters	
4:20pm	Plenary Session	
5:20pm	Conclusion of Conference	
5:20pm	Drinks & Networking	

Time		Presenter	Organisation	Presentation Title
Plenary (The Forum Theatre)				
8:45	8:50	Welcome (Housekeeping) – R. Haese		
8:50	9:00	Samantha McClulloch, IEA		
9:00	9:20	A. Zapantis	Global CCS Institute	CCS Overview
9:20	9:40	M. Raab et al.	CO2CRC	Fundamental success factors for operating at the CO2CRC Otway Project
9:40	10:00	I. Filby	CarbonNet, Gov. of Victoria with Ernst & Young	CarbonNet: Feasibility stage outcomes and next steps
10:00	10:20	D. Van Gent & Sandeep Sharma	DMP, Gov. of Western Australia & Carbon Projects Pty Ltd.	South West Hub Project, Western Australia: Building confidence in the Lesueur as a storage reservoir: workflows and uncertainty reduction approaches
10:20	10:50	Morning Tea & Posters		
CO2 Storage Site Characterisation and Monitoring, Chair: Ralf Haese (The Forum Theatre)				
10:50	11:20	R. Pevzner et al.	Curtin University, CO2CRC	Stage 2C of the CO2CRC Otway project: Seismic monitoring of a small supercritical CO2 injection
11:20	11:40	J. Ennis-King et al.	CSIRO, CO2CRC	Cross-well pressure tomography for rapid subsurface CO2 plume detection: technical validation at the CO2CRC's Otway Project
11:40	12:00	A. Hortle et al.	CSIRO & Curtin University	Designing a fit-for-purpose monitoring strategy for a commercial scale project
12:00	12:20	E. Tenthorey et al.	Geoscience Australia, CO2CRC & Epslog	Novel approaches for improved prediction of fault properties using CO2CRC Otway Project data
12:20	12:40	A. Garnett et al.	Univ. of Queensland	The UQ Deep Aquifer Appraisal Project: Storage appraisal based on dynamic aquifer response data
12:40	13:00	T. Dance et al.	CSIRO, CO2CRC & Curtin University	What is the value of formation evaluation for CO2 storage? Lessons learnt from the Otway Project
Advanced Capture Process Technologies, Chair: Tony Zhang (Room 156)				
10:50	11:20	D. Sholl	Georgia Institute of Technology, USA	Post-combustion CO2 capture using high capacity, sub-ambient pressure swing adsorption
11:20	11:40	G. Puxty	CSIRO	New robust and energy efficient CO2 absorbents based on cyclic amine compounds
11:40	12:00	Q. Yang et al.	CSIRO, Sichuan Uni. & Hunan Uni.	Design for Better CO2 Capture
12:00	12:20	S. Kentish	Univ. of Melbourne	CO2 Utilisation for microalgal culture – an energy efficient approach
12:20	12:40	A. Chaffee	Monash University	Novel materials for CO2 capture from flue gas and air
12:40	13:00	M. Dawe	Mineral Carbonation International	Mineral Carbonation: An Opportunity for Large Scale Carbon Utilisation'
13:00	14:00	Lunch & Posters		

Predicting CO₂ Storage Conditions, Chair: Chris Consoli (The Forum Theatre)

14:00	14:30	A. Sheppard et al.	Australian National University	Multiscale imaging, analysis and modelling of laminated sandstones of the Surat Basin
14:30	14:50	R. Haese et al.	Univ. of Melbourne, LBNL	Modelling coupled reactive-transport of impure CO ₂ during and post injection: A case study for the Glenhaven site (QLD)
14:50	15:10	J. Black et al.	Univ. of Melbourne, CO2CRC	Abatement of CO ₂ leakage with silica gel barriers
15:10	15:30	J. Pearce	Univ. of Queensland, Simon Fraser Uni. & Australian Synchrotron.	Coupling high resolution core metal characterisation, geochemical experiments and modelling: CO ₂ SO _x NO _x storage in the Surat Basin
15:30	15:50	H. Agheshlu et al.	Univ. of Melbourne	Ground deflection due to CO ₂ accumulation in a fault trap

Technology Development, Capture Systems and BECCS, Paul Webley Chair (Room 156)

14:00	14:30	P. Feron	CSIRO	Progress in amine based CO ₂ -capture
14:30	14:50	N. Mirza et al.	Univ. of Melbourne	Absorption and Desorption of Carbon Dioxide using 30wt% MEA in Membrane Contactors - A Pilot Scale Study
14:50	15:10	Long Ji	CSIRO, China Uni., & Macquarie University	Integration of CO ₂ capture and mineral carbonation in various alkanolamines using calcium oxide
15:10	15:30	T. Harkin	CarbonNet with AECOM & Parson Brinkerhoff WSP	Developing a Carbon Capture and Storage hub network
15:30	15:50	N. Pour et al.	The University of Melbourne	The role of bioenergy with carbon capture and storage (BECCS) in Australia's long term GHG mitigation strategy

Afternoon Tea & Posters

Plenary (Kathleen Fitzpatrick Theatre)

16:20	16:40	A. Okely et al.	Calix Limited Australia and Calix Europe Limited	A World-First, Australian, Industrial Carbon Capture Technology
16:40	17:00	P. Ashworth & C. Nisa	University of Queensland	CCS in the media - What is being said, by whom and in which information sources
17:00	17:20	Barry Hooper	UNO Technologies, Univ. of Melbourne	CCS and the NEM 'How carbon capture can address the Energy Trilemma'
17:20	17:25	Conclusion of Conference		

Drinks