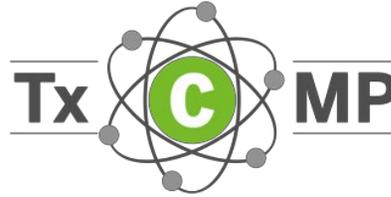




The University of Texas at Austin
Energy Institute



UTCCS-8

University of Texas 8th Conference on Carbon Capture and Storage
A Technical Conference on CCS

Presented by
Gulf Coast Carbon Center
Texas Carbon Management Program
The University of Texas Energy Institute

Hosted by The University of Texas at Austin

January 27–28, 2026

Special thanks to Entropy for sponsoring this event



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Monday, January 26, 2026: TxCMP sponsors will meet for dinner at County Line on the Lake at 6 pm

Tuesday, January 27, 2026

7:30–8 am

Badge & Parking Permit Pick up, Coffee, Pastries, & Settle in (University of Texas Institute of Geophysics [UTIG] Lobby – BEG Connector)

Plenary Session I (UTIG ROC 1.603)

8:00 am

Lorena Moscardelli, Director of the Bureau of Economic Geology & State Geologist of Texas

8:05 am

Gary Rochelle, TxCMP/UT Austin: What research is needed for capture?

8:35 am

Corey Wood, Entropy, Inc.: Life Cycle Assessment of Advantage Energy’s Glacier Gas Plant with Entropy’s Phase 2 CCS Development

9–9:30 am

Break (UTIG Lobby-BEG Connector)

All Capture Presentations Today are in BEG VR Conference Room

All Carbon Storage Presentations Today are in UTIG ROC 1.603

9:30–11:30
am

Technical Session 1

Capture Presentations: Amine Oxidation I

Carbon Storage Presentations: Optimizing Storage in Time & Space

9:30 am

Eirik da Silva, SINTEF: Solvent management for CESAR1

9:30 am

Alex Bump, GCCC, De-risking composite confinement

9:50 am

Xinyue Chen, Tsinghua U/UT Austin: Polyamine oxidation inhibited by iodide

9:55 am

Angela Luciano, GCCC, Managing pressure interference—global regulatory perspective

10:10 am

Xinyue Chen, Tsinghua U/UT Austin: Screening amines by H₂O₂ decomposition

10:10 am

Angela Luciano, GCCC, Pressure space woes in injection—Pergan Marshall Case Study

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10:30 am	Georgios Oikonomou, NTNU: KI effect on MEA and Cesar-1 degradation	10:30 am	Carlos Uroza, GCCC, Regional Oligocene transects for CCS and Geothermal
11:00 am	Zhiwu Liang, Zhengzhou U: Inhibited oxidation of 1-amino-2-propanol	10:50 am	Katherine Romanak, GCCC, Unlocking Brackish Reservoirs for CO ₂ Storage through Class VI updates
		11:00 am	Alex Bump, GCCC, Past is key to the future: Using legacy data to de-risk CCS resource exploration
11:30–1 pm	<i>Lunch (BEG Multipurpose Room & Lobby)</i>		
1–2:30 pm	<i>Technical Session 2</i>		
	<i>Capture Presentations: Pilot Plants</i>		<i>Carbon Storage Presentations: Business Enablers</i>
1:00 pm	Eleni G. Nikolaidoua/CERTH: Pilot for AMP in a Rotating Packed Bed compared to MEA	1:00 pm	Jungang (Gordon) Chen, GCCC, EASiTool Updates
1:20 pm	Mohammad Shoeb/IFP: NO _x impact on amine degradation	1:15 pm	Sue Hovorka, GCCC, Legacy well issues for CCS projects
		1:30 pm	Katherine Romanak, GCCC, and Tim Dixon, IEAGHG, How insurers are approaching CCS
1:40 pm	Alex Voice/Aramco: Oxidation in an MEA pilot		<i>Carbon Storage Presentations: Getting the CCS message out</i>
		1:45 pm	Angela Luciano, GCCC, Training the next generation of energy managers: CAST & TXLA CMC
		1:55 pm	Sue Hovorka, GCCC, Training Regulators: Groundwater Protection Council Regulator Training
2:00 pm	Mrinali Modi, TxCMP/UT Austin: Emissions results from TCM	2:05 pm	Hailun Ni, GCCC, CCS Class: New CCS Workbook
		2:15 pm	Katherine Romanak, GCCC, CCS Communication research activities

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2:30–3 pm	<i>Break (UTIG Lobby-BEG Connector)</i>		
3–4:30 pm	<i>Technical Session 3</i>		
	<i>Capture Presentations: Amine Oxidation II</i>		<i>Carbon Storage Presentations: Getting the CCS message out (Continued)</i>
3:00 pm	Ariel Plantz, TxCMP/UT Austin: Oxidation with T cycling	3:00 pm	Tim Dixon, IEAGHG, Is there a global appetite for CCS?
3:30 pm	James Obute, TxCMP/UT Austin: Dissolved oxygen depletion in MEA	3:20 pm	Katherine Romanak, GCCC, What happens at COP influences the world
		3:40 pm	Katherine Romanak, GCCC, Building out the Global CCS Network
3 :50 pm	James Obute, TxCMP/UT Austin: Metal catalysis of amine oxidation	3:50 pm	Katherine Romanak, GCCC, International Workshop on Offshore Geological CO ₂ Storage
4 :15 pm	Muhammad Hussain, TxCMP/UT Austin: Screening amines in the HGF	4:10 pm	Sue Hovorka, GCCC, Wrap-up Summary Day 1
4:30–6:30 pm	<i>Reception in the BEG Core Research Center (PRC Bldg. 206/BEG Bldg. 131/Room 1.612 known as “Bevo”) Core Review by the GCCC’s Carlos Uroza: “Variability of reservoir quality in the Frio Formation, onshore Texas: Observations from cores Welder Minnie S. # 70 (San Patricio County), and Alazan #189 and Stratton # P-183 (Kleberg County)”</i>		

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<i>Wednesday, January 28, 2026</i>			
7:30-8 am	<i>Badge & Parking Permit Pick up, Coffee, Pastries, & Settle in (University of Texas Institute of Geophysics [UTIG] Lobby – BEG Connector)</i>		
	<i>Plenary Session II (UTIG ROC 1.603)</i>		
8:00 am	Sue Hovorka, BEG/UT Austin: What is the research needed for storage?		
8:30 am	David Hills, Entropy, Inc.: The Bow Valley Carbon Hub: Canada's Mega-Sequestration Opportunity on the Bashaw Platform		
9–9:30 am	<i>Break (UTIG Lobby-BEG Connector)</i>		
<i>All Carbon Capture Presentations will be in BEG VR Conference Room</i>		<i>Carbon Storage Oral Presentations will be in UTIG ROC 1.603; Poster Session and Lunch will be held in Multi-purpose Room at the Bureau of Economic Geology (near the front lobby)</i>	
9:30–11:30 am	<i>Technical Session 4</i>		
<i>Capture Presentations: Modeling</i>		<i>Carbon Storage Presentations: Hunting success – Where next?</i>	
9:30 am	Camilla Barbieri, P. di Milano: Electrolyte NRTL model for PZ/AMP	9:30 am	Alex Bump, GCCC, Faults, top seals and composite confinement: Observations from historic hydrocarbon production
9:54 am	Benas Mockus, NTNU: Optimization of absorber height with TEA for high CO ₂ capture with MEA and CESAR1	9:45 am	Hailun Ni, GCCC, Novel technologies for CO ₂ storage security enhancement: A sand tank experimental perspective
10:18 am	Jorge Martorell, TxCMP/UT Austin: PZ gPROMS Model	10:00 to 11:30 am	Carbon Storage Poster Session & Resource Distribution Event in the Bureau of Economic Geology's Multipurpose Room (Head to BEG Lobby)
10:42 am	Perna Yogeshwar, NTNU: Synergistic CO ₂ capture with adsorbent-enhanced amine		
11:06	Alex Voice/Aramco: Packing for crossflow contacting		

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11:30–1:00 pm	<i>Lunch (BEG Multipurpose Room & Lobby)</i>		
1–3 pm	<i>Technical Session 5</i>		
	<i>Capture Presentations: Innovative systems</i>		<i>Hunting Success: Where Next?</i>
1:00 pm	E. Nessi, CERTH: Pilot of phase-change solvent w SO_4^- & NO_3^-	1:00 pm	Tip Meckel, GCCC, Policy Round up: Data Centers
		1:15 pm	Vanessa Nunez, GCCC, Update on DOE Funding for CCS
		1:20 pm	Alex Bump, Project No Hole —The evolution of our field lab
1:30 pm	Adhika Retnanto, UT Austin/Baldea: Optimization of an Ionic Liquid with Integrated C Capture & Syngas Production	1:30 pm	Sue Hovorka, GCCC, Where the GCCC is going: Next Big Plan
2:00 pm	Kurtis Carsch, UT Austin/Chemistry: High T CO_2 Capture in a Microporous Adsorbent		<i>Invited Presentations</i>
		2:00 pm	Shuman Yu, PGE, Thermo-poroelastic Coupled Simulation for Reservoir-caprock Stress Evolution during Non-isothermal CO_2 Injection
		2:15 pm	Shujuan Mao, EPS JSG, 4D Subsurface Monitoring with Passive Seismic Interferometry
2:30 pm	Junwon Park, UT Austin/Brenneke: Thermal Stability of Halide Substituted Benzimidazole Anion Ionic Liquid	2:30 pm	Ryosuke Okuno, PGE, CO_2 Nanobubble Technologies in CCUS
		2:45 to 3:00 pm	Wrap-up Meeting
3:00 pm	<i>Adjourn</i> <i>TxCMP Lab Tours on request</i>		

Thanks to attendees, in-person and remote, organizers, and Entropy for Sponsoring!