

# POSTCONVENTION WORKSHOP

## W-5: Bridging the Gaps for Effective CCS Deployment

George R. Brown Convention Center, Room 362A

Start	Stop	Presentation	Speaker	Affiliation
8:30 AM	8:40 AM	Introduction	Erkan Ay and Nimisha Vedanti	SEG Research Committee Chair and CSIR-NGRI
		Session 1		
8:40 AM	9:00 AM	India's Energy Transition and Geological CO <sub>2</sub> Storage Opportunities	Nimisha Vedanti	CSIR-National Geophysical Research Institute, India
9:00 AM	9:20 AM	The Big Picture: Toward Basin-Scale Monitoring of Geological CO <sub>2</sub> Storage	Stas Glubokovskikh	LBNL
9:20 AM	9:45 AM	Poster Pitch	All poster presenters	
9:45 AM	10:00 AM	Coffee Break		
		Session 2		
10:00 AM	10:30 AM	SEAM CO <sub>2</sub> Project Update	Michael Fehler	Fehler Consultancy LLC
10:30 AM	10:50 AM	How Near-surface Variations Can Swamp 4D Seismic CCS Monitoring, and Possible Solutions	Christof Stork	Land Seismic Noise Specialists
10:50 AM	11:20 AM	Panel on " Challenges in Low Carbon Energy Transition"	Matthias Imhof, Joel Le Calvez, Nimisha Vedanti, and Erkan Ay	ExxonMobil, SLB, CSIR-NGRI
		Poster Presentations		
		Monitor Potential Fracture Growth in Carbon Sequestration Reservoirs using Distributed Strain Sensing	Yanrui Ning, Ge Jin, James Carmichael, Ali Tura, and Melinda Gale	Colorado School of Mines
		Unsupervised Detection of CO <sub>2</sub> Plumes at Sleipner Using Variational Autoencoders and Density-Based Clustering Javed Ali*	Javed Ali, William Kumar Mohanty, and Sudeshna Sarkar	Indian Institute of Technology Kharagpur
		SEG EVOLVE 2024-2025 Carbon Solutions: Assessing Sleipner's Carbon Dioxide Capture and Storage future potential	Christian Luddeke	EVOLVE-Eco Explorer
		Fracture Topology and Connectivity Analysis for the Identification of Suitable Fluid-Flow Zones in the Deccan Basalt	Dip Das, Hari Prasath, and Nimisha Vedanti	

		CO2-induced attenuation model building via time-lapse viscoacoustic full-waveform inversion	Qiang Mao, and Yi Shen	
		Efficient Monitoring of a GCS process through Accelerated Poroviscoelastic wave modeling with CPML BC	Saqib Zia, Ajay Malkoti, and Nimisha Vedanti	
		A CCUS Case Study in the Bunter Sandstone, Southern North Sea (SEG EVOLVE Program)	Abdolrazzaggh Javid	EVOLVE-University of Houston
		Reservoir characterization and assessment for carbon storage potentials in offshore Matagorda Island, South Texas	Azeez Yusuf Olaide	EVOLVE- Texas A&M
		Wavelet Estimation for Quantitative Characterization of CO <sub>2</sub> Plume	Weiting Peng, and Yi Shen	
		A Simplified Optimistic Economic CO2 Storage Scenario, Rock Springs Uplift, Wyoming, USA	Jaren Schuette, Charlie Nuncio, Baraa Osmon, Abby Mensch, Mohammad Alfehaid, Aditya Srivastava, and Benard Oppong	
		CO2 Plume Imaging with Multi-Physics	Kurt Strack	
		Combining New Permanent Seismic Sources and Surface and Borehole Sensors for Long-Term Monitoring at CCS (and Geothermal) Sites	Nicholas J Brooks, Jakob Haldorsen, Tianrun Chen, and Howard Wilkinson	
		2D Viscoacoustic FWI for imaging CO2 sequestration of the Sleipner Field, North Sea	Emmanuel Anthony, and Thomas Bohlen	