

Annual Affiliates Meeting

Thursday, November 5, 2020

Topic: CCS in California

Time (PDT)	Topic	Speaker
11:00-11:05 am	Welcoming Remarks	Sarah Saltzer
11:05-11:35 am	An Action Plan for Carbon Capture and Storage in California: Joint Stanford/EFI Study Framing	Sally Benson
11:35-12:05 pm	Assessment of potential CO ₂ storage sites in California	Tae Wook Kim
12:05-12:35 pm	<i>Related presentations (joint Q&A):</i> The SB100 Pathways Project: Reaching a Net Zero Carbon Grid in California The value of CCS in integrating additional loads from heating electrification	E. J. Baik Clothilde Venereau
12:35-12:45 pm	<i>Break</i>	
12:45 – 1:15 pm	CCS in California: Capture Sources, Technoeconomics and Infrastructure Development	Sarah Saltzer
1:15 – 1:45 pm	An Action Plan for Carbon Capture and Storage in California: Challenges and Solutions	Anne Canavati (Energy Futures Initiative)
1:45 – 2:00 pm	Group Discussion	Everyone
2:00 pm	<i>Adjourn</i>	

Thursday, November 12, 2020

Topic: CCS in the Gulf of Mexico

Time (PDT)	Topic	Speaker
11:00-11:05 am	Welcoming Remarks	Sarah Saltzer
11:05-11:30 am	CO ₂ Storage in Texas Gulf Coast: Opportunities and Challenges	Ganeswara Dasari (ExxonMobil)
11:30-11:55 am	Geomechanics issues with CO ₂ Storage in the GOM	Mark Zoback
11:55-12:20 pm	Development and Application of Site Selection Criteria for Offshore Carbon Sequestration	Catherine Hay
12:20-12:30 pm	<i>Break</i>	
12:30-12:55 pm	Investigating Geomechanical Effects of Past Reservoir Depletion and Future CO ₂ Injection in the GOM	Sam Hashemi
12:55-1:20 pm	Buoyant storage in the western portion of the Gulf of Mexico	Sean Brennan (USGS)

1:20-1:45 pm	Reservoir scale CO ₂ plume migration prediction with deep neural networks	Gege Wen
1:45 – 2:00 pm	Group Discussion	Everyone
2:00 pm	Adjourn	

Thursday, November 19, 2020

Topic: Pore-to-Core scale research for CCS

Time (PDT)	Topic	Speaker
11:00-11:05 am	Welcoming Remarks	Sarah Saltzer
11:05-11:20 am	Introduction to pore-to-core scale research for CCS at Stanford	Tony Kavscek
11:20-11:45 am	A physics-based model to predict the impact of horizontal laminations on CO ₂ plume migration	Maartje Maria Boon
11:45-12:10 pm	Effects of scCO ₂ on permeability, pore size, and mechanical properties of unconventional formations	Arash Kamali Asl
12:10-12:45 pm	<i>Poster Session</i>	
	Pore-network modeling of reactive transport and dissolution pattern evaluation	Barbara De Farias Esteves
	CO ₂ Injectivity and Transport in Fractured Shale	Justin Bracci
	Quantifying CO ₂ capillary heterogeneity trapping through macroscopic percolation	Hailun Ni
12:45-12:55 pm	<i>Break</i>	
12:55-1:20 pm	Diffusion-induced gas redistribution in porous media	Yaxin Li
1:20-1:45 pm	Characterizing Spatial Distributions of Fracture Apertures on Reservoir Rock Cores using X-ray CT and PET Imaging	Takeshi Kurotori
1:45-2:00 pm	Group Discussion	Everyone
2:00 pm	<i>Adjourn</i>	