

## Annual Affiliates Meeting (Draft Agenda)

Thursday January 12, 2023

*Topic: Regional Analysis*

Time (PDT)	Topic	Speaker
10:00-10:05	Welcoming Remarks	Sarah Saltzer
10:05-10:35	An Integrated Framework for Optimal Monitoring and History Matching in CO <sub>2</sub> Storage Projects	Dylan Crain
10:35-11:05	Development and Application of Saline Reservoir Site Selection Criteria in the Gulf of Mexico	Catherine Callas
11:05-11:35	Dynamic characterization of carbon plumes based on CCS site modeling	Yunan Li
11:35-11:40	<b>5-Minute Break</b>	
11:40-12:10	Technoeconomic analysis of CCS opportunities in the southern San Joaquin Basin	Tae Wook Kim
12:10-12:40	Fueling the California Mobility Market with Hydrogen from Natural Gas plus Carbon Capture and Storage	Sarah Saltzer
12:40-1:10	Development and Application of Site Selection Criteria for Hydrogen Storage in Depleted Gas Fields	Rita Okoroafor
1:10-1:30	Discussion	Everyone
1:30 pm	<b>Adjourn</b>	

Thursday January 19, 2023

*Topic: Pore-to-Core Scale Analysis*

Time (PDT)	Topic	Speaker
10:00-10:05	Welcoming Remarks	Tony Kavscek
10:05-10:35	Elastic and viscoplastic behavior of shales in the presence of argon and supercritical CO <sub>2</sub>	Arash Kamali Asl
10:35-11:05	Geomechanical and experimental studies of fault slip induced by CO <sub>2</sub> injection	Arjun Kohli
11:05-11:35	Probing multiscale dissolution dynamics in natural rocks through microfluidics and compositional analysis	Ilenia Battiato
11:35-11:40	<b>5-Minute Break</b>	
11:40-12:10	Poroeastic characteristics of poorly cemented sandstone reservoirs in the presence of supercritical CO <sub>2</sub>	Sam Hashemi
12:10-12:40	Laboratory characterization of multiphase flow and capillary trapping of CO <sub>2</sub> in a composite core from the Gulf of Mexico	Takeshi Kurotori
12:40-1:10	Scaling up meter-scale laboratory experiments of geological storage	Tony Kavscek
1:10-1:30	Group Discussion	Everyone
1:30 pm	<b>Adjourn</b>	

**Thursday January 26, 2023**

***Topic: Modeling and Simulation***

<b>Time (PDT)</b>	<b>Topic</b>	<b>Speaker</b>
<b>10:00-10:05</b>	Welcoming Remarks	<b>Lou Durllofsky</b>
<b>10:05-10:35</b>	CO <sub>2</sub> Geological Storage Modeling with Machine Learning	<b>Gege Wen</b>
<b>10:35-11:05</b>	Technoeconomic modeling of Blue Hydrogen projects in CA	<b>Justin Bracci</b>
<b>11:05-11:35</b>	Markov-Chain Monte Carlo Data Assimilation with Surrogate Model for Flow Problems in CO <sub>2</sub> Storage.	<b>Yifu Han</b>
<b>11:35-11:40</b>	<b><i>5-Minute Break</i></b>	
<b>11:40-12:10</b>	Integrated Framework for Optimization of Horizontal/Deviated Well Placement and Control for Geological CO <sub>2</sub> Storage	<b>Amy Zou</b>
<b>12:10-12:40</b>	How Green can Blue Hydrogen Be?	<b>Yusef Ferhani</b>
<b>12:40-1:10</b>	Hydrogen storage in porous media: A Numerical Simulation Study	<b>Jimin Zhou &amp; Yulman Claro</b>
<b>1:10-1:30</b>	Group Discussion	<b>Everyone</b>
<b>1:30 pm</b>	<b><i>Adjourn</i></b>	