

## **Tuesday, September 8, 2020**

### **Regional Initiatives**

Moderator: Bill Aljoe, National Energy Technology Laboratory

- 11:00 AM Southeast Regional Carbon Utilization and Storage Partnership (SECARB-USA)(FE0031830)**  
Brian Hill, CRI and Susan Hovorka, The University of Texas at Austin
- 11:25 AM Regional Initiative to Accelerate CCUS Deployment in Midwestern and Northeastern (FE0031836)**  
Neeraj Gupta, Battelle and Sallie Greenberg, Illinois State Geological Survey
- 11:50 AM Plains CO<sub>2</sub> Reduction Partnership Initiative to Accelerate Carbon Capture, Utilization, and Storage Deployment (FE0031838)**  
Kevin Conners, Energy & Environmental Research Center, University of North Dakota
- 12:15 PM Carbon Utilization and Storage Partnership of the Western United States (FE003187)**  
Robert Balch, New Mexico Institute of Mining and Technology
- 12:40 PM BREAK**

### **CarbonSAFE Ph II, BEST, Associated Storage, and ROZ**

Moderator: Andrea McNemar, National Energy Technology Laboratory

- 1:05 PM Task 3: CO<sub>2</sub> Trapping and Storage in Multi-Phase Systems Containing Both Brine and Hydrocarbon (FE-1122-19-FY19 )**  
Rajesh Pawar – Los Alamos National Laboratory
- 1:35 PM Stacked Greenfield and Brownfield ROZ Fairways in the Illinois Basin Geo-Laboratory: Co-Optimization of EOR and Associated CO<sub>2</sub> Storage (FE0031700)**  
Nathan Webb, University of Illinois
- 2:00 PM Williston Basin Associated CO<sub>2</sub> Storage Field Laboratory (FE0031694)**  
Steven Smith, Energy & Environmental Research Center, University of North Dakota
- 2:25 PM BREAK**
- 2:50 PM Developing and Validating Pressure Management and Plume Control Strategies in the Williston Basin Through a Brine Extraction and Storage Test (BEST) (FE0026160)**  
John Hamling, Energy & Environmental Research Center, University of North Dakota

**3:15 PM**      **CarbonSAFE Illinois - Macon County**  
Steve Whittaker, University of Illinois

**3:40 PM**      **Wabash CarbonSAFE (FE0031626)**  
Christopher Korose, University of Illinois

**Cost Analysis**

Moderator: Andrea McNemar, National Energy Technology Laboratory

**4:05 PM**      **Cost Analysis Associated with Capture, Transport, Utilization, and Storage (CTUS) of CO<sub>2</sub>**  
Tim Grant, NETL

**4:30 PM**      **ADJOURN**

## **Wednesday, September 9**

**Secure Storage**

Moderator: Natalie Iannacchione, National Energy Technology Laboratory

**11:00 AM**      **Integrated Plume Monitoring using Joint EM-Seismic and Strain Sensing (FWP-ESD14095 - Task 3)**  
Pierpaolo Marchesini– Lawrence Berkeley National Laboratory

**11:25 AM**      **CO<sub>2</sub> Injection with Fracturing in Geomechanically Protected Caprock**  
Pengcheng Fu, Lawrence Livermore National Laboratory

**11:50 AM**      **Second Generation SOV-DAS (FWP-ESD14095 - Task 2)**  
Julia Correa – Lawrence Berkeley National Laboratory

**12:15 PM**      **Characterizing Shales as Seals for CO<sub>2</sub> Containment and Shales as Reservoirs for Geologic Storage of CO<sub>2</sub>**  
Dustin Crandall and Angela Goodman, National Energy Technology Laboratory

**12:40 PM**      **BREAK**

**Wellbore Integrity**

Moderator: Joshua Hull, National Energy Technology Laboratory

**1:05 PM**      **Task 7: Well Integrity Atlas (FEW0191)**  
Jaisree Iyer, Lawrence Livermore National Laboratory

- 1:35 PM High Resolution 3D Acoustic Borehole Integrity Monitoring System (FWP-FE-855-17-FY17)**  
Cristian Pantea, Los Alamos National Laboratory
- 2:00 PM Embedded Sensor Technology Suite for Wellbore Integrity Monitoring (FWP-1022435)**  
Ruishu Wright, National Energy Technology Laboratory
- 2:25 PM BREAK**
- 2:50 PM Wellbore Leakage Mitigation Using Advanced Mineral Precipitation Strategies (FE0026513)**  
Adrienne Phillips, University of Montana
- 3:15 PM Autonomous Monitoring of Wellbore Integrity Applying Time Reverse Nonlinear ElastiWave Spectroscopy (TR NEWS) and Fiber Optic Sensing and Communication (FWP-853-17-FY17)**  
Paul Johnson, Los Alamos National Laboratory
- 3:40 PM Programmable Sealant-Loaded Mesoporous Nanoparticles for Gas/Liquid Leakage Mitigation (FE0026511)**  
Rouzbeh Shahsavari, C-Crete
- 4:04 PM ADJOURN**

## Thursday, September 10

### Plume Detection/ Monitoring Technologies

Moderator: Kyle Smith, National Energy Technology Laboratory

- 11:00 AM Task 5: Large N Seismic Arrays (FEW0191)**  
Eric Matzel, Lawrence Livermore National Laboratory
- 11:25 AM Field Validation of MVA Technology for Offshore CCS: Novel Ultra-High Resolution 3D Marine Seismic Technology (P-Cable) (FE0028193)**  
Tip Meckel, The University of Texas at Austin
- 11:50 AM New Imaging and CO<sub>2</sub> Storage Technology for Unconventional Subsurface Reservoirs Task 1: Enhanced Contrast Agents for CO<sub>2</sub> Monitoring (FWP-70066)**  
Quin R.S. Miller, Pacific Northwest National Laboratory
- 12:15 PM Monitoring of Geological CO<sub>2</sub> Sequestration Using Isotopes and PF Tracers (FWP-FEAA045)**  
David Graham, Oak Ridge National Laboratory
- 12:40 PM – BREAK**



**CARBON STORAGE  
PROJECT REVIEW MEETING  
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**Plume Quantification**

Moderator: Kylee Underwood, National Energy Technology Laboratory

- 1:05 PM Task 4: Industrial Partnerships**  
Tom Buscheck, Lawrence Livermore National Laboratory
- 1:35 PM Robust Carbon Dioxide Imaging Using Joint Tomographic Inversion of Seismic Onset Time and Distributed Pressure and Temperature Measurements (FE0031625)**  
Akhil Dattagupta, Texas A&M EES
- 2:00 PM Fundamental Reservoir Properties for High Priority Depositional Environments Targeted for CO<sub>2</sub> Storage**  
Dustin Crandall, National Energy Technology Laboratory
- 2:25 PM BREAK**

**Intelligent Monitoring Systems**

Moderator: Kylee Underwood, National Energy Technology Laboratory

- 2:50pm Intelligent Monitoring Systems and Advanced Well Integrity and Mitigation (FE0026517)**  
Julia Correa, Lawrence Berkeley National Laboratory
- 3:15 PM Development of a Framework for Data Integration, Assimilation, and Learning for Geological Carbon Sequestration (FE0026515)**  
Alexander Sun, The University of Texas at Austin
- 3:40 PM SimCCS: Developments and Applications (FWP-FE-1140-19-FY19)**  
Richard Middleton, LANL

**Carbon Storage Data Resources**

Moderator: Kylee Underwood, National Energy Technology Laboratory

- 4:05 PM Using AI/ML to Curate Thousands of Carbon Storage Data Assets via EDX**  
Paige Morkner and Chad Rowan, NETL
- 4:30 PM ADJOURN**



## **Friday, September 11**

### **Subsurface Stress**

Moderator: Bill O'Dowd, National Energy Technology Laboratory

- 11:00 AM      Robust In Situ Strain Measurements to Monitor Carbon Dioxide (CO<sub>2</sub>) Storage (FE0028292)**  
Larry Murdoch, Clemson University
- 11:25 AM      A Non-Invasive Approach for Elucidating the Spatial Distribution of In-Situ Stress in Deep Subsurface Geologic Formations Considered for CO<sub>2</sub> Storage (FE0031686)**  
Mark Kelley, Battelle
- 11:50 AM      Identification of Faults Susceptible to Induced Seismicity (FE0031685)**  
Scott Frailey, University of Illinois
- 12:15 PM      Improving Subsurface Stress Characterization for Carbon Dioxide Storage Projects by Incorporating Machine Learning Techniques (FE0031684)**  
William Ampomah, New Mexico Institute of Mining and Technology
- 12:40 PM      BREAK**

### **RCSPs and Offshore**

Moderator: Mary Sullivan, National Energy Technology Laboratory

- 1:05 PM      Southwest Regional Partnership on Carbon Sequestration-Phase II and Phase III (FC26-05NT42591)**  
Robert Balch, New Mexico Institute of Mining and Technology
- 1:35 PM      Southeast Regional Carbon Sequestration Partnership-Phase II and Phase III (FC26-05NT42590)**  
David Riestenberg, Advanced Resources International and Susan Hovorka, The University of Texas at Austin
- 2:00 PM      An Assessment of Geological Carbon Sequestration Options in the Illinois Basin-Phase II and III (FC26-05NT42588)**  
Sallie Greenberg, Illinois State Geological Survey
- 2:25 PM      BREAK**



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**RCSPs and Offshore (Continued)**

Moderator: Mary Sullivan, National Energy Technology Laboratory

- 2:50 PM**      **Midwest Regional Carbon Sequestration Partnership-Phase II and III (FC26-05NT42589)**  
Neeraj Gupta, Battelle
  
- 3:15 PM**      **Southeast Regional Carbon Storage Partnership: Offshore Gulf of Mexico (FE0031557)**  
Michael Godec, Advanced Resources International
  
- 3:40 PM**      **Offshore Gulf of Mexico Partnership for Carbon Storage-Resources and Technology  
Development (GoMCARB)(FE0031558)**  
Susan Hovorka, The University of Texas at Austin and Darshan Sachde, Trimeric  
Corporation
  
- 4:05 PM**      **Assessing Offshore CO2 Saline Storage Potential with the NETL Calculator**  
Lucy Romeo, NETL
  
- 4:30 PM**      **ADJOURN**

