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<tr>
<th>Organization</th>
<th>Location</th>
<th>Expertise</th>
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<tbody>
<tr>
<td>GCCC</td>
<td>Austin, TX</td>
<td>CCS Project Lead</td>
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<tr>
<td>Gulf of Mexico Basin Synthesis (GBDS)</td>
<td>Austin, TX</td>
<td>GoM Basin Geology</td>
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<td>Petroleum &amp; Geosystems Engineering</td>
<td>Austin, TX</td>
<td>Reservoir Simulation</td>
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<td>Fugro</td>
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<td>MVA Technologies</td>
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<td>Texas A&amp;M GERG</td>
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<td>Lamar University</td>
<td>Beaumont, TX</td>
<td>Risk Assessment; Outreach</td>
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<td>Trimeric</td>
<td>Round Rock, TX</td>
<td>Engineering; Infrastructure and Operations</td>
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<td>Reston, VA</td>
<td>Characterization and Capacity Assessment</td>
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<td>Louisiana Geologic Survey</td>
<td>Baton Rouge, LA</td>
<td>Characterization; Database Development</td>
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<td>LBNL</td>
<td>Berkeley, CA</td>
<td>Risk Assessment; MVA Technologies</td>
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<td>Rice University</td>
<td>Houston, TX</td>
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Ground Rules

• Speak into microphones (for virtual attendees)

• Two session chairs – One monitors virtual meeting

• Lunch 12:45 – 2:15 (CDT)
  Options: Hotel – or – Nearby restaurants
Agenda

May 18

GoMCarb Annual Meeting Technical Update

9:00 a.m.  Introduction and GoMCarb Overview – Ramon Trevino and Dr. Susan Hovorka, UT-Austin Bureau of Economic Geology

Offshore Resource Assessment

9:15 a.m.  Learning from Experience: Turning Petroleum Exploration Failures into CCS Success – Dr. Alex Bump, UT-Austin Bureau of Economic Geology

9:35 a.m.  Static Geologic Model of the Upper Texas and Westernmost Louisiana Coasts – Reinaldo Sabbagh Maciel, UT-Austin Bureau of Economic Geology

9:55 a.m.  CCS Potential in the Chandelier Sound, Offshore Louisiana – Marcie Purkey Phillips, UT-Austin Bureau of Economic Geology

10:15 a.m.  Translating Onshore Experience to the Offshore: AoR, Pressure Space and Implications for Storage Site Selection – Dr. Alex Bump, UT-Austin Bureau of Economic Geology

10:35 a.m.  Break

Offshore Resource Assessment – Thesis Results

10:55 a.m.  High-Resolution Reservoir Scale Using Well Logs with Depth-Converted 3D Seismic to Delineate Lithofacies Distribution within a Sequence Stratigraphic and depositional Systems Context – John Franey, presented by Dr. Tip Meckel, UT-Austin Bureau of Economic Geology

11:05 a.m.  Combining Dense, 3D Auto-Track Models of Dip-Steered Seismic Data with High Resolution of Well Logs – Harry Hull, presented by Dr. Tip Meckel, UT-Austin Bureau of Economic Geology

11:15 a.m.  Modeling Plume Stabilization by Migration Loss – Melissa Villah, presented by Dr. Susan Hovorka, UT-Austin Bureau of Economic Geology

11:25 a.m.  Screenin Tool for Cross-Fault Migration Risk – Maddie Laich, presented by Dr. Alex Bump, UT-Austin Bureau of Economic Geology

11:35 a.m.  Optimized Site Screening Process – Marco Andrae Guirola, presented by Dr. Alex Bump, UT-Austin Bureau of Economic Geology

Risk Assessment and Geologic Modeling

11:45 a.m.  Determining a Safety Exclusion Zone from Downwind Dispersion of CO₂ from a Major Subsea Biocut in Shallow Offshore Waters – Dr. Curt Oldenburg, Lawrence Berkeley National Laboratory

12:05 p.m. Predicting CO₂ Buoyant Flow Saturation in Heterogeneous Geologic Formations with Machine Learning – Dr. Haijun Ni, UT-Austin Bureau of Economic Geology

12:25 p.m. Pore Scale Migration and Trapping using Micromodel Lab Experiments – Richard Larson, UT-Austin Bureau of Economic Geology

Sessions & Chairs

9:15 – 10:35 (Trevino, Hovorka)
10:55 – 11:35 (Purkey-Phillips, White)
11:35 – 12:45 (Sabbagh, Sachde)

Lunch

2:15 – 3:15 (Romanak, Bulakh)
3:30 – 4:30 (White, Ni)
4:30 – 5:15 (Trevino, Romanak)
Lunch
12:45 – 2:15 (CDT)
Options: Hotel or Restaurants
12:45 p.m. **Lunch**

2:15 p.m. Progress on the Compositional Poromechanics Simulation of H24L – Dr. Josh White, Lawrence Livermore National Laboratory

**Monitoring Verification, and Assessment (MVA)**

2:35 p.m. Environmental Monitoring Considerations for the Gulf of Mexico – Dr. Katherine Romanak, UT-Austin Bureau of Economic Geology and Dr. Tony Knap, Texas A&M University

2:55 p.m. A Hypothetical CO₂ Release at High Island 10L using Ansys Fluent – Dr. Daniel Chen, Lamar University

3:15 p.m. **Break**

**Infrastructure, Operations, and Permitting**

3:30 p.m. Status Update on Offshore Oil and Gas Infrastructure (pipelines, platforms, and wells) – Dr. Darshan Sachde and Katherine Dombrowski, Trimix Corporation

3:50 p.m. Effect of Monoethanolamine on the Viscosity and CO₂ Absorption of Aprotic Heterocyclic Anion Ionic – Dr. Tracy Benson and Adhis Chandra Sakoth Madugula, Lamar University

4:10 p.m. Summary of Recent Discussions between Aker Solutions, LLC, and Trimix – Maria Bulekh, Aker Solutions, LLC

**Knowledge Dissemination**

4:30 p.m. Training, Students, Workshops, Education Progress – Dr. Susan Hovorka, UT-Austin Bureau of Economic Geology

4:40 p.m. Increased Inquiries About CCS from Stakeholders – a Status Update (Industry/Business, NGOs, Public, etc.) – Dr. Tip Meckel, UT-Austin Bureau of Economic Geology

5:00 p.m. Discussion and Next Steps

5:15 p.m. **Adjourn**
Welcome Kyle Smith – NETL PM

(attending virtually)
Onward...