# Technical Agenda - Tuesday, March 7th

## MORNING SESSIONS

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>7:00 - 8:00</td>
<td>Registration and Coffee</td>
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<tr>
<td>8:00 - 8:10</td>
<td>Welcome and Opening Remarks</td>
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**SESSION 1:** Diagenetic Components of Mudrocks and Their Impact on Production  
*Chairs:* Tina Calvin & Neil Fishman

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<tbody>
<tr>
<td>8:10 - 8:45</td>
<td>Role of Diagenesis in Mudrock Evolution</td>
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<td></td>
<td><em>Neil Fishman, Hess</em></td>
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<td>8:45 - 9:20</td>
<td>Significance of Volcanic Ash in Mudrock Evolution</td>
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<td><em>Christina Calvin, Consultant</em></td>
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<td>9:20 - 9:55</td>
<td>Revealing the Reservoir with DNA Diagnostics</td>
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<td><em>Ajay Kshatriya, Biota</em></td>
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<td>9:55 - 10:20</td>
<td>Coffee Break</td>
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**SESSION 2:** Nanoscale Intra-Kerogen Porosity and Hydrocarbon Phase Productibility / Wettability  
*Chairs:* Avrami Grader & James Macquaker

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<tr>
<td>10:20 - 10:55</td>
<td>What Are We Doing About EOR in Shale and Tight Formations?</td>
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<td><em>Dr. James Sheng, Texas Tech PE Lead of DOE Consortium - Unconventionals</em></td>
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<tr>
<td>10:55 - 11:30</td>
<td>Quantifying Organic Porosity and Predicting Estimated Ultimate Recovery (EUR)</td>
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<tr>
<td>11:30 - 12:35</td>
<td>Lunch Break</td>
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**SESSION 4:** Geophysical Methods for Producibility, Fracability and GeoHazards  
*Chairs:* Thomas Reed & Lisa Neelen

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<td>Insights Into Segmentation and Related Problems of Predicting 3D Properties from 2D Images</td>
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<td><em>Nishank Saxena, Shell</em></td>
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<tr>
<td>1:10 - 1:45</td>
<td>Upscaling in Numerical Simulation of Shale Transport Properties by Coupling Molecular Dynamics Simulation with Lattice Boltzmann Method</td>
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<td><em>Yang Ning, University of Houston Chemical and Biochemical Engineering Dept, PhD Candidate</em></td>
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<tr>
<td>1:45 - 2:20</td>
<td>Applying Digital Rock Characterization to a New Anadarko Basin Shale Play</td>
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<td><em>Bryan Guzman, Ingrain</em></td>
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## AFTERNOON SESSIONS

**SESSION 3:** Predicting Petrophysical Flow Properties Using Digital Rock Physics  
*Chairs:* Taras Bryndzia & Timothy Diggs

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**SESSION 4:** Geophysical Methods for Producibility, Fracability and GeoHazards  
*Chairs:* Thomas Reed & Lisa Neelen

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<td>2:45 - 3:20</td>
<td>Identifying Re-Stimulation Effectiveness Using Microseismic Attributes</td>
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<td><em>Adam Baig, ESG Canada Inc.</em></td>
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<td>3:20 - 3:55</td>
<td>Exploiting Microseismic Event Characterization to Optimize Completion Strategies</td>
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<td><em>Jamie Rich, Devon</em></td>
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