<table>
<thead>
<tr>
<th>Type</th>
<th>Tuesday 31 May 2016</th>
<th>Location</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>Absolute and Relative Permeability – From Pore to Field Scale</td>
<td>Schubert 4</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Automated Interpretation</td>
<td>Stolz 1</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>AVO–AVA – Theory I</td>
<td>Strauss 3</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Broadband Data – Processing and Inversion</td>
<td>Strauss 3</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Carbonate Petrophysics</td>
<td>Stolz 2</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Dedicated – Integrated Data for Geological and Reservoir Models</td>
<td>Lehar 4</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Depositional Systems</td>
<td>Lehar 4</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Dynamic Modelling – Upscaling and Simulation</td>
<td>Schubert 3</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>EAGE Forum on 'The Future of the Oil Industry in Light of the Recent Oil Prices’</td>
<td>Strauss 1</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Electromagnetic Methods I</td>
<td>Lehar 1</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Exploration and Fields</td>
<td>Lehar 3</td>
<td>10:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Full Waveform Inversion I – Viscous Effects and Case Studies</td>
<td>Strauss 2</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>HPC for Geophysical Applications</td>
<td>Lehar 1</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Imaging Parameter Estimation</td>
<td>Strauss 2</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Integrated Asset Development (EAGE/SPE)</td>
<td>Schubert 1</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Integrated Dynamic Modelling I (EAGE/SPE)</td>
<td>Schubert 2</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Low Salinity Waterflooding and Rock Wettability (EAGE/SPE)</td>
<td>Schubert 2</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Multi–component Seismic Imaging</td>
<td>Lehar 5</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Multiple Attenuation</td>
<td>Stolz 1</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Optimizing Marine Acquisition Design</td>
<td>Stolz 0</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Permanent Reservoir Monitoring</td>
<td>Lehar 2</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Petrophysics</td>
<td>Stolz 2</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Reservoir Characterization I</td>
<td>Lehar 3</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Reservoir Surveillance and Management (EAGE/SPE)</td>
<td>Schubert 1</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Rock Physics I</td>
<td>Schubert 5</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Seismic Attenuation I</td>
<td>Stolz 0</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Seismic Imaging – Case Studies</td>
<td>Strauss 1</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Seismic Interferometry – Theory and Applications</td>
<td>Lehar 5</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Seismic Modelling I</td>
<td>Schubert 5</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Timelapse Acquisition and Processing</td>
<td>Lehar 2</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Unconventional Reservoirs I</td>
<td>Schubert 3</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Velocity and Seismic Imaging – Parameter Estimation and Case Histories I</td>
<td>Lehar 3</td>
<td>08:30 – 10:10</td>
</tr>
<tr>
<td>Poster</td>
<td>AVO–AVA Theory (A)</td>
<td>e-Posters 6</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Poster</td>
<td>Diagenesis in Clastic Reservoirs</td>
<td>e-Posters 5</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Poster</td>
<td>Exploration Plays and Prospect Evaluation</td>
<td>e-Posters 5</td>
<td>08:30 – 10:10</td>
</tr>
<tr>
<td>Poster</td>
<td>Full Waveform Inversion (A)</td>
<td>e-Posters 1</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Poster</td>
<td>Knowledge Sharing (A) (SPE)</td>
<td>e-Posters 6</td>
<td>13:30 – 15:10</td>
</tr>
<tr>
<td>Poster</td>
<td>Micro and Passive Seismic Event Detection and Analysis (A)</td>
<td>e-Posters 6</td>
<td>15:30 – 17:10</td>
</tr>
<tr>
<td>Poster</td>
<td>NMO and Velocity Estimation</td>
<td>e-Posters 3</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Poster</td>
<td>Near Surface – Water, Hazards, Mining</td>
<td>e-Posters 7</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Poster</td>
<td>Potential Field Methods Case Studies</td>
<td>e-Posters 1</td>
<td>08:30 – 12:10</td>
</tr>
</tbody>
</table>
### Tuesday 31 May 2016

<table>
<thead>
<tr>
<th>Type</th>
<th>Title</th>
<th>Location</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poster</td>
<td>Reservoir Characterization Using Seismic</td>
<td>e-Posters 2</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Poster</td>
<td>Rock Physics (A)</td>
<td>e-Posters 3</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Poster</td>
<td>Seismic Noise and Multiple Attenuation</td>
<td>e-Posters 4</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Poster</td>
<td>Seismic Signal Processing – Temporal and Spatial Resolution (A)</td>
<td>e-Posters 7</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Poster</td>
<td>Source Rocks and Petroleum Systems (A)</td>
<td>e-Posters 5</td>
<td>10:30 – 12:10</td>
</tr>
<tr>
<td>Poster</td>
<td>VSP and Borehole Geophysics</td>
<td>e-Posters 4</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Poster</td>
<td>Well Performance Optimization and Flow Assurance</td>
<td>e-Posters 2</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Student Poster</td>
<td>Improved Oil Recovery</td>
<td>Student e-Posters 2</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Student Poster</td>
<td>Reservoir Geology, Petroleum Systems and Analogs</td>
<td>Student e-Posters 2</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Student Poster</td>
<td>Sedimentology and Structural Geology</td>
<td>Student e-Posters 1</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Student Poster</td>
<td>Seismology, Microseismic and Passive Seismic</td>
<td>Student e-Posters 1</td>
<td>13:30 – 17:10</td>
</tr>
</tbody>
</table>

### Wednesday 1 June 2016

<table>
<thead>
<tr>
<th>Type</th>
<th>Title</th>
<th>Location</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>Advanced Imaging Including Elastic, Anisotropic and Q Effects</td>
<td>Strauss 3</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Broadband Processing of Single Component Data</td>
<td>Strauss 3</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>CO2 Sequestration and EOR (SPE)</td>
<td>Schubert 2</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Decision Risk Analysis and Managing Uncertainty (SPE)</td>
<td>Schubert 1</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Dedicated – Towards Exascale Geophysical Applications</td>
<td>Leh 4</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Diffraction Modelling and Imaging</td>
<td>Leh 5</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Electromagnetic Methods II – Inversion</td>
<td>Leh 1</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Executive Session on 'The Black Sea – Regional Focus'</td>
<td>Straiss 1</td>
<td>08:30 – 11:30</td>
</tr>
<tr>
<td>Oral</td>
<td>Exploration – Plays, Prospects and Prospect Evaluation</td>
<td>Leh 1</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Fractured and Carbonate Reservoirs</td>
<td>Schubert 5</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Full Waveform Inversion II – Inversion Strategies</td>
<td>Strauss 2</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Innovative Technologies I</td>
<td>Schubert 4</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Integrated Dynamic Modelling II (SPE)</td>
<td>Schubert 2</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Microseismic Event Detection and Analysis</td>
<td>Stolz 2</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Near Surface for Hydrocarbon Exploration, Induced Seismicity</td>
<td>Schubert 4</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Optimizing Land Acquisition Design</td>
<td>Leh 4</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Quantifying and Managing Uncertainty in Reservoir Modelling</td>
<td>Schubert 3</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Rift Systems and Passive Margins Tectonics and Sedimentation</td>
<td>Strauss 1</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Rock Physics II</td>
<td>Stolz 0</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Rock Physics III – Interpretation and Stress Dependency</td>
<td>Stolz 0</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Seismic Anisotropy in Fractured Reservoirs I</td>
<td>Leh 5</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Seismic Imaging Theory – Advances in Least Squares Migration</td>
<td>Strauss 2</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Seismic Interpolation and Regularization</td>
<td>Stolz 1</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Seismic Modelling II</td>
<td>Schubert 5</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Seismic Reservoir Characterization I – Seismic Inversion Advance</td>
<td>Leh 3</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Seismic Reservoir Characterization II – From Case Studies to New Advances</td>
<td>Leh 3</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Simultaneous Sources</td>
<td>Leh 2</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Source Rocks and Petroleum Systems I</td>
<td>Stolz 2</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Time–lapse Seismic Interpretation I</td>
<td>Leh 2</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Type</td>
<td>Wednesday 1 June 2016</td>
<td>Location</td>
<td>Time</td>
</tr>
<tr>
<td>--------</td>
<td>-----------------------------------------------------</td>
<td>----------</td>
<td>------------</td>
</tr>
<tr>
<td>Oral</td>
<td>Unconventional Reservoirs II</td>
<td>Schubert 3</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Well Performance I (SPE)</td>
<td>Schubert 1</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Poster</td>
<td>Broadband Acquisition and Processing</td>
<td>e-Posters 1</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Poster</td>
<td>CO2 Sequestration and Storage</td>
<td>e-Posters 6</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Poster</td>
<td>Electromagnetic Methods (A)</td>
<td>e-Posters 7</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Poster</td>
<td>EOR – Thermal, Mechanical, Microbial, CO2</td>
<td>e-Posters 3</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Poster</td>
<td>Exploration and Fields – Case Histories</td>
<td>e-Posters 5</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Poster</td>
<td>Full Waveform Inversion (B)</td>
<td>e-Posters 1</td>
<td>10:30 – 12:10</td>
</tr>
<tr>
<td>Poster</td>
<td>Full Waveform Inversion (C)</td>
<td>e-Posters 1</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Poster</td>
<td>Innovative Technologies (A)</td>
<td>e-Posters 3</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Poster</td>
<td>Knowledge Sharing (B) (SPE)</td>
<td>e-Posters 6</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Poster</td>
<td>Petrophysics – Cores and Digital Rocks</td>
<td>e-Posters 5</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Poster</td>
<td>Reservoir Characterization (A)</td>
<td>e-Posters 7</td>
<td>15:30 – 17:10</td>
</tr>
<tr>
<td>Poster</td>
<td>Seismic Attenuation (A)</td>
<td>e-Posters 4</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Poster</td>
<td>Seismic Attributes (A)</td>
<td>e-Posters 2</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Poster</td>
<td>Seismic Modelling (A)</td>
<td>e-Posters 4</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Poster</td>
<td>Seismic Reservoir Characterization (A) – Case Studies</td>
<td>e-Posters 2</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Poster</td>
<td>Velocity and Seismic Imaging – Parameter Estimation and Case Histories (A)</td>
<td>e-Posters 7</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Student Poster</td>
<td>Electromagnetic and Potential Field Measurements</td>
<td>Student e-Posters 1</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Student Poster</td>
<td>Near Surface, Water Resources and CO2 Sequestration</td>
<td>Student e-Posters 2</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Student Poster</td>
<td>Petrophysics, Facies Modelling and Geomechanics</td>
<td>Student e-Posters 2</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Student Poster</td>
<td>Rock Physics, Seismic Inversion and Reservoir Characterization</td>
<td>Student e-Posters 1</td>
<td>13:30 – 17:10</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type</th>
<th>Thursday 2 June 2016</th>
<th>Location</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>AVO–AVA Analysis – Case Histories</td>
<td>Strauss 3</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Broader Bandwidth Seismic Signal Processing</td>
<td>Strauss 3</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Building and Updating Subsurface 3D Models</td>
<td>Lehar 4</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>CO2 Capture and Geological Storage I</td>
<td>Schubert 4</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Distributed Acoustic Sensors and Borehole Geophysics</td>
<td>Stolz 2</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Electromagnetic Methods III – Modelling and Measurement</td>
<td>Lehar 1</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>EOR (SPE)</td>
<td>Schubert 2</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>EOR – Many Options, One Goal</td>
<td>Schubert 4</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Executive Session on ‘Unconventionals outside North America’</td>
<td>Strauss 1</td>
<td>08:30 – 11:30</td>
</tr>
<tr>
<td>Oral</td>
<td>Fault and Fracture Analysis</td>
<td>Lehar 4</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Full Waveform Inversion III – Methods</td>
<td>Strauss 2</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Full Waveform Inversion IV</td>
<td>Strauss 2</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Geomechanical Modelling</td>
<td>Lehar 5</td>
<td>15:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Innovation in Potential Fields Methods</td>
<td>Lehar 1</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Interpretation Case Studies</td>
<td>Stolz 1</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Micro and Passive Seismic Event Detection and Analysis I</td>
<td>Schubert 3</td>
<td>08:30 – 10:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Microseismic – Event Localization on Micro and Macro Scale</td>
<td>Stolz 2</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Multi–component Seismic Data Processing</td>
<td>Lehar 5</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>NMO and Stacking</td>
<td>Lehar 2</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Type</td>
<td>Thursday 2 June 2016</td>
<td>Location</td>
<td>Time</td>
</tr>
<tr>
<td>----------</td>
<td>----------------------------------------------------------</td>
<td>------------</td>
<td>-------------------</td>
</tr>
<tr>
<td>Oral</td>
<td>Pore Pressure Prediction</td>
<td>Schubert 1</td>
<td>15:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Rejuvenating Mature Fields (SPE)</td>
<td>Schubert 2</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Rock Physics IV – Carbonate and Source Rock</td>
<td>Stolz 0</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Seismic Attenuation II</td>
<td>Stolz 0</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Seismic Attributes I</td>
<td>Schubert 1</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Seismic HSE</td>
<td>Schubert 1</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Seismic Modelling III</td>
<td>Schubert 5</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Seismic Modelling IV</td>
<td>Schubert 5</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Seismic Noise Attenuation</td>
<td>Stolz 1</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Seismic Reservoir Characterization III – Inversion Case Studies</td>
<td>Lehar 3</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Shale Geology</td>
<td>Lehar 5</td>
<td>13:30 – 15:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Time–lapse Seismic Interpretation II</td>
<td>Lehar 2</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Unconventional Resources I (SPE)</td>
<td>Schubert 3</td>
<td>10:30 – 12:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Unconventional Resources II (SPE)</td>
<td>Schubert 3</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Using Multiples and Advanced Imaging Conditions</td>
<td>Strauss 1</td>
<td>13:30 – 17:10</td>
</tr>
<tr>
<td>Oral</td>
<td>Well Performance II (SPE)</td>
<td>Schubert 1</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Poster</td>
<td>AVO Inversion and Rock Physics</td>
<td>e-Posters 6</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Poster</td>
<td>Characterizing and Simulating Fractured Reservoirs</td>
<td>e-Posters 7</td>
<td>13:30 – 15:10</td>
</tr>
<tr>
<td>Poster</td>
<td>Geomechanics, Petrophysics and Flow Simulation in Structurally Complex Reservoirs</td>
<td>e-Posters 7</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Poster</td>
<td>Near Surface – Surface Waves, EM, Characterization</td>
<td>e-Posters 3</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Poster</td>
<td>Physical Seismic Modelling</td>
<td>e-Posters 1</td>
<td>13:30 – 15:10</td>
</tr>
<tr>
<td>Poster</td>
<td>RTM, Least Squares and Kirchhoff Methods</td>
<td>e-Posters 1</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Poster</td>
<td>Sedimentology and Structural Regional Geology</td>
<td>e-Posters 5</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Poster</td>
<td>Seismic Anisotropy in Fractured Reservoirs (A)</td>
<td>e-Posters 3</td>
<td>13:30 – 15:10</td>
</tr>
<tr>
<td>Poster</td>
<td>Seismic Deblending</td>
<td>e-Posters 4</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Poster</td>
<td>Seismic Modelling (B)</td>
<td>e-Posters 4</td>
<td>13:30 – 15:10</td>
</tr>
<tr>
<td>Poster</td>
<td>Seismic Reservoir Characterization (B) – New Advanced Methods</td>
<td>e-Posters 2</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Poster</td>
<td>Seismic Reservoir Characterization (C) – Using New Attributes</td>
<td>e-Posters 2</td>
<td>13:30 – 15:10</td>
</tr>
<tr>
<td>Poster</td>
<td>Today’s Play – Tomorrow’s Portfolio</td>
<td>e-Posters 5</td>
<td>13:30 – 15:10</td>
</tr>
<tr>
<td>Poster</td>
<td>Velocity Attribute Estimation</td>
<td>e-Posters 6</td>
<td>13:30 – 15:10</td>
</tr>
<tr>
<td>Student Poster</td>
<td>Seismic Interpretation and Attribute Analysis</td>
<td>Student e-Posters 2</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Student Poster</td>
<td>Seismic Processing, Imaging and Modelling</td>
<td>Student e-Posters 1</td>
<td>08:30 – 12:10</td>
</tr>
<tr>
<td>Student Poster</td>
<td>Unconventional Resources</td>
<td>Student e-Posters 2</td>
<td>13:30 – 15:10</td>
</tr>
<tr>
<td>Student Poster</td>
<td>Well Performance and Well Tests</td>
<td>Student e-Posters 1</td>
<td>13:30 – 15:10</td>
</tr>
</tbody>
</table>
TU LHR1 01 - A Comparative Analysis of SP Data Inversion by Spectral, Tomographic and Global Optimization Approaches - R. Di Maio (University of Naples Federico II), E. Piegari (University of Naples Federico II) & R. Pan (University of Naples Federico II)

TU LHR1 03 - Field Distortion Due to Surface Pipes in Surface to Borehole Electromagnetic - N. Cuevas* (Schlumberger Geosolutions)

TU LHR1 04 - Calculating the Effect of Multiple Steel Cased Deviated Wells on Electromagnetic Surveys - C. Kohnke* (Colorado School of Mines), F. Lavoué (Colorado School of Mines), R. Stiehli (Shell Global Solutions International BV) & A. Svidonsky (Colorado School of Mines)

TU LHR1 05 - A Comparative Analysis of SP Data Inversion by Spectral, Tomographic and Global Optimization Approaches - R. Di Maio (University of Naples Federico II), E. Piegari (University of Naples Federico II) & R. Pan (University of Naples Federico II)

TU LHR1 07 - Fast Pseudo-spectral Method for Wave Propagations - F. Wang* (Southwest Petroleum University), W.G. Liu (Southwest Petroleum University), C.L. Chen (Southwest Petroleum University), F. Liu (Southwest Petroleum University) & J. Tang (Southwest Petroleum University)

TU LHR1 08 - A 2.5D Comparison between Two CSEM Methods - B. Fratraad (PetroMarker AS), K. Eide* (PetroMarker AS), A.M. El Kaffas (PetroMarker AS and University of Suez), S.L. Helwig* (PetroMarker AS) & T. Holten (PetroMarker AS)

TU LHR1 10 - Angle-dependent Water Column Statics Correction through Sparse TauP Inversion - R. Huang* (CGG), P. Wang (CGG), K. Nimsaila (CGG) & M. Vu (CGG)

TU LHR1 11 - A CPU/GPU Heterogeneous Hybrid Parallel Algorithm of Prestack Time Migration in Local Angle-domain - S.Z. Sun (China University of Petroleum-Beijing) & F. Han* (China University of Petroleum-Beijing)

TU LHR1 12 - Exploring the Use of SPIRE-based Solvers on Large Electromagnetic Modeling - S. Rodriguez Bernabeu* (Barcelona Supercomputing Center), V. Puyzero (Barcelona Supercomputing Center), M. Hanisch (Barcelona Supercomputing Center) & S. Fernández (Repso Technology Center)

TU LHR1 02 - 3D Inversion of Controlled-source Electromagnetic Data in the Presence of Steel-cased Wells - K. Tietze* (GFZ German Research Centre for Geosciences), C. Pützer (GFZ German Research Centre for Geosciences), D. Ritter (GFZ German Research Centre for Geosciences), P. Veeken (Wintershall Holding GmbH) & B. Verboom (Wintershall Holding GmbH)


TU LHR1 09 - 4D Using Non-repeated OBS Acquisition Systems on the Njord Field - M.S. Guttormsen* (Statoil), S. Ng (Statoil), D.H. Solbu (Statoil), H. Westerdahl (Statoil), J. Oukili (PGS) & T. Høy (PGS)

TU LHR1 13 - 4D Feasibility Case Study in a Mature Oilfield - W.S. He* (BGP, CNPC), J. Wang (BGP, CNPC), Y. Ling (BGP, CNPC), X.Y. Guo (BGP, CNPC) & Z. Zou (BGP, CNPC)

TU LHR1 14 - Intel Xeon Optimizations for Elastic Wave Propagators - A. Ferras* (Barcelona Supercomputing Center) & M. Hanisch (Barcelona Supercomputing Center)


TU LHR1 16 - The Parallel Forward Modeling of the Wave Equation Based on AVX Instruction Set - F. Wang* (Southwest Petroleum University), W.G. Liu (Southwest Petroleum University), C.L. Chen (Southwest Petroleum University), F. Liu (Southwest Petroleum University) & J. Tang (Southwest Petroleum University)
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30</td>
<td>To LHR5 01 - Sparse Ocean Bottom Node on the Alwyn Field - From Acquisition to Joint PP-PS Imaging - J. Brunelliere* (Total), S. Imai (Total), A. Mura (Total E&amp;P UK), X. Lu (Total E&amp;P UK) &amp; A. Karagul (Total E&amp;P UK)</td>
</tr>
<tr>
<td>08:55</td>
<td>Tu LHR5 02 - Sparse Nodes and Shallow Water - PS Imaging Challenges on the Alwyn North Field - J. Holden (CGG), D. Fritz (CGG), D. Bubka (CGG), J. McLeam (CGG), R. Refrat (CGG), C. Page* (CGG), J. Brunelliere (Total), S. Imai (Total), A. Mura (Total E&amp;P UK) &amp; X. Lu (Total E&amp;P UK)</td>
</tr>
<tr>
<td>09:20</td>
<td>Tu LHR5 03 - Benefit of OBS PP and PS Data for Structural Interpretation on Snoutlax and Albatross Fields - B. Osadl* (Statoil ASA), H. M. Zadeh (Statoil ASA), M. S. Guttmann (Statoil ASA), H. A. Arnesen (Statoil ASA), D. C. Cannavo (CGG) &amp; G. B. Bvened (CGG)</td>
</tr>
<tr>
<td>09:45</td>
<td>Tu LHR5 04 - Full-azimuth Ocean Bottom Seismic for Imaging Beneath Complex Overburden at Johan Sverdrup - B. King* (Statoil ASA), S. Winterst (Statoil ASA), J. Nilsen (Statoil ASA), D. Underwood (Schlumberger Geosolutions), D. Brager (Schlumberger Geosolutions), S. Mitchell (Schlumberger Geosolutions) &amp; J. Aviles (Schlumberger Geosolutions)</td>
</tr>
<tr>
<td>10:10</td>
<td>Break</td>
</tr>
<tr>
<td>10:30</td>
<td>To LHR5 05 - Efficient Wave Mode Separation in Anisotropic Media - Part I-Separation Operators - Y. Zhou* (Tongji University) &amp; H. Wang (Tongji University)</td>
</tr>
<tr>
<td>10:55</td>
<td>To LHR5 06 - Efficient Wave Mode Separation in Anisotropic Media - Part II-Phase and Amplitude Corrections - Y. Zhou* (Tongji University) &amp; H. Wang (Tongji University)</td>
</tr>
<tr>
<td>11:20</td>
<td>Tu LHR5 07 - A New Scalar Imaging Condition for Vector-based Elastic Reverse Time Migration - Q.Z. Du* (China University of Petroleum), C.F. Guo (China University of Petroleum), X.F. Gong (China University of Petroleum), C.X. Wang (BP, CNPC) &amp; X.Y. Li (China University of Petroleum)</td>
</tr>
<tr>
<td>11:45</td>
<td>Tu LHR5 08 - Elastic Reverse Time Migration Based on Decoupled Wave Equation and Inner Product Imaging Condition - P. Yong* (China University of Petroleum (East China)), J.P. Huang (China University of Petroleum (East China)), Z.C. Li (China University of Petroleum (East China)), L.P. Qu (China University of Petroleum (Beijing)), G.Y. Li (China University of Petroleum (East China)) &amp; P.J. Lu (China University of Petroleum (East China))</td>
</tr>
<tr>
<td>12:10</td>
<td>Lunch</td>
</tr>
<tr>
<td>13:30</td>
<td>To LHR5 09 - A Single-sided Representation for Virtual Sources and Virtual Receivers - K. Wapenaar* (Schlumberger), J.W. Thørbecke (DeU University of Technology), J.R. van der Neut (Delft University of Technology), S. Singh (Colorado School of Mines), E.C. Slob (Delft University of Technology) &amp; R. Sniedr (Colorado School of Mines)</td>
</tr>
<tr>
<td>13:55</td>
<td>Tu LHR5 10 - Full-wavefield Redatuming of Perturbed Fields with the Marchenko Method - I. Vasseloncoco* (Schlumberger) &amp; J. van der Neut (Delft University of Technology)</td>
</tr>
<tr>
<td>14:20</td>
<td>Tu LHR5 11 - Constructing Only the Primary Reflections in Seismic Data - Without Multiple Removal - G.A. Meles* (University of Edinburgh), K. Wapenaar (Delft University of Technology), A. Curtis (University of Edinburgh) &amp; C. da Costa Filho (University of Edinburgh)</td>
</tr>
<tr>
<td>14:45</td>
<td>Tu LHR5 12 - Coupled Seismic-electromagnetic Interferometry for 3D Homogeneous SH-TE Scenarios - N. Grobb* (Delft University of Technology), E.C. Slob (Delft University of Technology) &amp; C.P. Wapenaar (Delft University of Technology)</td>
</tr>
<tr>
<td>15:10</td>
<td>Break</td>
</tr>
<tr>
<td>15:30</td>
<td>To LHR5 13 - Anisotropic Seismic Noise Gradientometry by Elliptically-anisotropic Wave Equation Inversion - An Example at Eskifir - S.A.L. de Riddler* (University of Edinburgh) &amp; A. Curtis (University of Edinburgh)</td>
</tr>
<tr>
<td>15:55</td>
<td>Tu LHR5 14 - Use of Ambient Noise to Enhance Low Frequencies Seismic Migration Images - B. De Cacqueray* (CGG), J. Cotton (CGG), F. Duret (CGG), C. Berron (CGG) &amp; E. Fournes (CGG)</td>
</tr>
<tr>
<td>16:20</td>
<td>Tu LHR5 15 - Shallow-Rayleigh-wave Tomography Using Traffic Noise from Long Beach, California, USA - J.P. Chang* (Stanford University), S.A.L. de Riddler (University of Edinburgh) &amp; B.L. Biond (Stanford University)</td>
</tr>
<tr>
<td>16:45</td>
<td>Tu LHR5 16 - Locating Scatterers Ahead of a Tunnel Boring Machine Using Noise Correlation - U. Harmantas* (Istanbul Technical University), A. Kasayar (Istanbul Technical University), K. Wapenaar (Delft University of Technology) &amp; D. Draganov (Delft University of Technology)</td>
</tr>
</tbody>
</table>
Tu SBT2 01 - Scalability and Performance Efficiency of History Matching Workflows Using MCMC and Adjunct Techniques Applied to the Norne North Sea Reservoir Case Study - R. Schulze-Riegert* (Schlumberger SPT TC), M. Nvaille (Schlumberger SPT TC), S. Rijkin (Schlumberger SPT TC) & Y. Witten (Clasual University of Technology)  

Tu SBT2 02 - Identification of the Computational Path Followed During Reservoir Simulation Improves the Accuracy and Accelerates the Phase Behavior Calculations - V. Gagnais* (Technical University of Crete), N. Varotsis (Technical University of Crete) & S. Todman (Petroleum Experts)  

Tu SBT2 03 - Reservoir Model Selection for Dynamic Simulation - J.H. de Kol* (SGS Horizon B.V.) & W.J. van Strien (SGS Horizon B.V.)  

Tu SBT2 04 - The Potential for Predicting Production by Characterizing Flow and Drainage Patterns Using Microseismicity - T. Urbanic (ESS Canada Inc.), L. Smith-Boughner (ESS Canada Inc.), A.M. Bain* (Engineering Seismicity Group Canada Inc. (ESGI)), E. von Lunen (NexenCroc Ltd), J. Budge (NexenCroc Ltd) & J. Hendrick (NexenCroc Ltd)  

Tu SBT2 05 - Multiscale Fracture Integration into a Multiple-porosity Model - Fracture Lumping and Optimal Number of Scales - A.M. Kamp* (Total SA), N. Legrand (Imperial College London) & O.R. Gosselin (Imperial College London)  

Tu SBT2 06 - Optimizing Water Injection in a Shallow Off-Shore Reservoir - U. Kienberger (OMV), T. Clemens (OMV), M. Persaud (OMV), A. Suri (University of Petroleum and Energy Studies), M.M. Sharma (University of Texas), M. Boschi (OMV) & A. Overland (OMV)  

Tu SBT2 07 - A Novel Approach for Waterflood Management Optimisation Using Streamline Technology - X. Li* (Imperial College), T. Yi (Schlumberger), M. Giddins (Schlumberger), S. Krevor (Imperial College) & S. Adameri (Schlumberger)  

Tu SBT2 08 - Joint Optimization of Well Locations and Operational Conditions Using a New Hybrid Algorithm - H. Yang* (Seoul National University), M. Jiang (Seoul National University), J. Kim (Seoul National University), B. Kang (Seoul National University) & J. Choi (Seoul National University)  

Tu SBT2 09 - A Novel Approach for Waterflood Management Optimization Using Streamline Technology - X. Li* (Imperial College), T. Yi (Schlumberger), M. Giddins (Schlumberger), S. Krevor (Imperial College) & S. Adameri (Schlumberger)  

Tu SBT2 10 - Environmental Validated of a Pore-scale Derived Dimensionless Capillary Pressure Function for Inhibition under Mixed Wet Conditions - Y. Zhou* (University of Aberdeen), J. Heiland (DHI), R. Dhattnagius (University of Stavanger), R. Ahsan (Statoil) & A. North (IRSE and US)  

Tu SBT2 11 - Insights of Berea Sandstone Wettability Alteration as A-model of Sandstone Reservoir through Contact Angle Measurement - R. Karem* (Durham University), P. Cubillas (Durham University), H. J.Riggs (Durham University), J. Guayas (Durham University), D.R. Grice (Durham University) & H.C. Greenwell (Durham University)  

Tu SBT2 12 - Geochemical Interpretation and Field Scale Optimization of Low Salinity Waterflooding - N.T. Nipun* (University of Calgary), C.T. Deng (Computer Modelling Group Ltd), L.X. Ngheim (Computer Modelling Group Ltd) & Z. Chen (University of Calgary)  

Tu SBT2 13 - Understanding the Chemical Mechanisms for Low Salinity Waterflooding - C. Diao* (Pennsylvania State University), R.T. Johns (Pennsylvania State University) & A.J. Li (Pennsylvania State University)  

Tu SBT2 14 - Integrated Modeling for Assisted History Matching and Production Forecasting of Low Salinity Waterflooding - C.T. Deng* (Computer Modelling Group Ltd), L.X. Ngheim (Computer Modelling Group Ltd), N.T. Nguyen (University of Calgary), Z. Chen (University of Calgary) & C. Yang (Computer Modelling Group Ltd)  

Tu SBT2 15 - Effects of Injection Rate of Low Salinity Brine on Oil Recovery Mechanisms and Relative Permeability Curves - F. Erisanvatch* (Chulalongkorn University), S. Panthuvichien (Chulalongkorn University), T. Phumsipunsri (Chulalongkorn University) & W. Kateeakaw (Chulalongkorn University)  

Tu SBT2 16 - Modelling of Geochemical Reactions During Smart Water Injection in Carbonate Reservoirs - Y. Hu* (Heriot-Watt University) & E. Mackay (Heriot-Watt University)  

Tu SBT3 01 - Identifying Unconventional Potential Using Seismic Inversion and Neural Networks - An Eagle Ford Shale Study - X.E. Refunjoo* (Swift Energy), L. Infante (The University of Oklahoma) & A. Bernaez (Shell)  

Tu SBT3 02 - Prestack Seismic Data Inversion for Shale Gas Reservoir Characterization in Chinese Basins - Y.M. Wang (BGP Inc.), X. Liang (Zhengjiang Oilfield), U. Strecke (RSI) & M. Smith (RSI)  


Tu SBT3 05 - Geomechanical Investigations for a North American Shale Gas Play - N. Hummer* (BG Group plc), M. Paradicis (BG Group plc), J. Wheeler (BG Group plc) & J. Graham (BG Group plc)  


Tu SBT3 07 - Analysis of the Heterogeneity of the Polish Shale Gas Formations by Factor Analysis on the Basis of Well Logs - K. Wawrzynicz-Suz* (AGH - University of Science and Technology), J.A. Jaryna (AGH - University of Science and Technology), M. Zych (AGH - University of Science and Technology), M. Bata (AGH - University of Science and Technology), P.I. Krakowska (AGH - University of Science and Technology) & E. Puskarczyk (AGH - University of Science and Technology)  

Tu SBT3 08 - Element and Isotopic Chemostatigraphy of the Vacc Muerta Formation, Neuquen Basin, Argentina - E. Hernandez Bilbao* (Colorado School of Mines) & J.F. Sarg (Colorado School of Mines)  

Tu SBT3 09 - Integration of Static and Dynamic Data in Flow Simulation of Carbonate Reservoirs - M.G. Correra* (State University of Campos), M. Maschio (State University of Campos) & D.J. Schirner (State University of Campos)  

Tu SBT3 10 - Dispersivity Estimation in Real Pore Scale Samples - F. Collin-Bastiani (CERRACS), R. Guibert (INP-IMFT), P. Horgue (INP-IMFT), M. Deckers (OMV), T. Clemens (OMV) & D. Debenset (INP-IMFT)  

Tu SBT3 11 - Efficient Calculation of Flow Conserved Streamline Trajectories on Complex and Unstructured Grids - L.H. Zuo (Texas A&M University), J. Lim (Energy Holdings Group), R.O. Chen (Texas A&M University) & M.J. King* (Texas A&M University)  

Tu SBT3 12 - Impact of in situ Reactivity on Scale Management in Sandstone and Carbonate Reservoirs - E. Mackay (Heriot-Watt University), M. Jordan* (Nalco Champion) & S. Geiger (Heriot-Watt University)  

Tu SBT3 13 - Implementation of a Vertex Centered Method inside an Industrial Reservoir Simulator - Fault Modeling Aspects - C.M. Luneburg (Landmark Graphics Corporation)  

Tu SBT3 14 - Accelerating Large-scale Reservoir Simulations Using Supercomputers - H. Liu* (University of Calgary), K. Wang (University of Calgary), L. Lu (University of Calgary), Z. Chen (University of Calgary), B. Yang (University of Calgary) & R. He (University of Calgary)  

Tu SBT3 15 - Improving Model History Match Using a Novel Streamline-based Approach - A Field Study from Saudi Arabia - A.A. Al-Turki* (Saudi Aramco), R. Batycky (StreamSim Technologies) & M. Thiele (StreamSim Technologies)  

Tu SBT3 16 - Challenges of a Complex Mature Oil Reservoir Simulation - E.M. Bisbo (B Mba* (DEA Deutsche Entoil AG), A. Yadav (DEA Deutsche Entoil AG), A. El-Hawari (DEA Deutsche Entoil AG) & E. Omara (Suez Oil Company)
### Oral presentations Tuesday 31 May

**Schubert 4**

**ABSOlute and Relative Permeability - From Pore to Field Scale**

A. Al-Awam (DPEC) & S. Geiger (Henrot-Watt University)

**ROCK PHYSICS I**

Tu SBT4 01 - A New Method for Calculating Relative Permeability Using NMR T2 Distribution - M. Lu* (China University of Petroleum(Beijing), R.H. Xie (China University of Petroleum(Beijing), C.X. Li (China University of Petroleum(Beijing)) & X. Li (China University of Petroleum(Beijing))

Tu SBT5 01 - Dispersion and Attenuation for the Drained/Undrained Transition - Modelling the Experiment - L. Pimenta* (ENS - Laboratoire de Geologie), J. Bongomo (ENS - Laboratoire de Geologie), J. Fortin (ENS - Laboratoire de Geologie) & Y. Guelguem (ENS - Laboratoire de Geologie)

Tu SBT4 02 - Permeability Estimations Based on Internal Surface and NMR T2 for Chesapeake Bay Impact Structure (Eyreville Core) - S.J. Mayr* (Freie Universitaet Berlin) & H. Wilhelm (Karlsruhe Institute of Technology)

Tu SBT5 02 - Multiscale Measurement for Wave Dispersion in Consolidated Sandstones - X.Y. Ma* (China University of Petroleum), S.X. Wang (China University of Petroleum), J.G. Zhao (China University of Petroleum) & H.J. Yin (China University of Petroleum)

Tu SBT4 03 - Clay Mineral Effect in Sandstone Reservoir toward Usage of Fluid Drilling Type. Study Case - Lisa Field, Tarakan Basin - F.A. Abdulah (Universitas Padjadjaran), M.S.A.A. Akbasah*y (Universitas Padjadjaran) & Y.Y. Yunardi (Universitas Padjadjaran)

Tu SBT5 03 - Reciprocity and Microinhomogeneity in Permeability - T.M. Mueller* (CSIRO Energy) & P.N. Sahay (CICESE)

Tu SBT4 04 - Two-step Upscaling Method Applied to Non-Darcy Flow - R. Guibert (INP-MIFT), P. Horgue (INP-MIFT), J.F. Thovet (Pprime) & G. Debenest (INP-MIFT)

Tu SBT5 04 - Velocity-saturation Relation in Partially Saturated Rocks - Modelling the Effect of Injection Rate Changes - J.W. Liu* (Tsinghua University), T.M. Muller (CSIRO Energy), G.M. Qi (Curtin University), M. Lebedev (Curtin University) & W.T. Sun (Tsinghua University)

### Break

**Schubert 5**

**NEAR SURFACE - ENGINEERING GEOPHYSICS and CHARACTERIZATION**

D.J. Orlowsky (DMT GmbH & Co. KG)

**SEISMIC MODELLING I**

A.K.T. Wever (Winterhalter Noordzee NV) & M.L. Vasmel (ETH Zurich)

Tu SBT4 05 - Numerical-simulation-based Determination of Relative Permeability in Laminated Rocks - M. Seddiqui* (The University of Melbourne), S.K. Mathai (The University of Melbourne) & S. Azizmohamadi (Montan University of Leoben)

Tu SBT5 05 - A Set-up for Dispersions and Attenuations Measurements in Fluid-saturated Rocks – L. Pimenta* (ENS - Laboratoire de Geologie), J. Fortin (ENS - Laboratoire de Geologie) & Y. Guelguem (ENS - Laboratoire de Geologie)

Tu SBT4 06 - A Visual Framework for Reservoir Connectivity Analysis - R. Cabral Ramos Mota (University of Calgary), H. Hamdi* (University of Calgary), M. Costa Sousa (University of Calgary), E. Sharlin (University of Calgary) & Z.X. Chen (University of Calgary)

Tu SBT5 06 - A Dual Poro-Perm Solid Substitution Recipe for Heavy Oil Rocks - S. Globakovskikh* (Curtin University), B. Gurevich (Curtin University) & N. Saxena (Shell International Exploration and Production)

Tu SBT4 07 - An Investigation on Simulation Capabilities of Regular Based Pore Networks - S. Aghabozorgi Nachti* (University of Tehran) & B. Rostami (University of Tehran)

Tu SBT5 07 - Clay Distribution Effects on the Joint Elastic-electrical Properties of Shaly Sandstones – S. Alikhany* (University of Sheffield), A.I. Best (National Oceanography Centre), L.J. North (National Oceanography Centre) & T.A. Minshull (University of Southampton)

Tu SBT4 08 - A New Model For Calculate Capillary Pressure And Relative Permeability In Reservoir Rocks Based On Pore Network Modeling – J. Dyfami* (Petroleum University of Technology), S.H. Mousavi (Petroleum University of Technology) & M.C. Poppelreiter (Shell)

Tu SBT5 08 - An Investigation into the Non-Newtonian Behavior of Polymer Flow in Porous Medium - S. Aghabozorgi Nachti* (University of Tehran) & B. Rostami (University of Tehran)

### Lunch

**Tu SBT5 09 - Resonant Seismic Wave Interaction with Acoustic Cavities - F.M. Schneider* (University of Vienna), S. Esterhazy (University of Vienna), I. Perugi (University of Vienna) & G. Bokelmann (University of Vienna)

Tu SBT5 10 - Stillness Reduction Method for Finite-element Scheme Elastic Wave Modelling in Heterogeneous Media - An Alternative to PML - X.X. Huang* (China University of Petroleum (Beijing)), J.G. Zhao (China University of Petroleum (Beijing)), Y.Xu (China University of Petroleum (Beijing)), T. Long (China University of Petroleum (Beijing)), D. Zhang (China University of Petroleum (Beijing)) & C.K. Liu (China University of Petroleum (Beijing))

Tu SBT5 11 - Optimized Staggered-grid FD Method for Elastic Wave Modeling Based on Elastic Plane Wave Solution - P. Yang* (China University of Petroleum (East China)), J.P. Huang (China University of Petroleum (East China)), Z.C. Li (China University of Petroleum (East China)), L.P. Qu (China University of Petroleum (Beijing)) & Q.Y. Li (China University of Petroleum (East China))

Tu SBT5 12 - A Strategy for Elastic Wave Simulation Based on Pseudo-analytical Operator Differentiencing - Q. Zhao (China University of Petroleum), G.Z. Du* (China University of Petroleum) & C.F. Guo (China University of Petroleum)

### Break

**Tu SBT5 13 - 3D Seismic and Isotopic Analysis Provides Constraints on the Origin of Methane in the Earths Deep Subsurface - M. Marzu* (University of the Witwatersrand), B. Sherwood Lollar (University of Toronto), T. Ontorl (Princeton University) & E. van Heerden (University of Free State)

Tu SBT5 13 - Lowrank Finite-difference Method for Elastic Wave Propagation - G.Z. Du* (China University of Petroleum), D. Han (China University of Petroleum) & S.A. Hou (China University of Petroleum)

Tu SBT5 14 - Efficient Quasi-P Wavefield Extrapolation Using an Isotropic Lowrank Approximation - Z. Zhang* (KAUST) & T. Alkhalifah (KAUST)

Tu SBT5 15 - Applications of Perturbation Theory for P-wave Elksone Equation in Orthorhombic Media - A. Stovas* (Norwegian University of Science & Technology), N. Masmoudi (KAUST, Saudi Arabia) & T. Alkhalifah (KAUST, Saudi Arabia)

Tu SBT5 16 - A New Model For Calculate Capillary Pressure And Relative Permeability In Reservoir Rocks Based On Pore Network Modeling - J. Dyfami* (Petroleum University of Technology), S.H. Mousavi (Petroleum University of Technology) & M.C. Poppelreiter (Shell)

### Lunch

Note: the abstract number indicates the specific day, location and order of the session (day – location – order).
SEISMIC ATTENUATION
M. Cavall (Schlumberger) & G. Quiroga-Goode (University Autonoma de Tamaulipas)

10:30 Tu STZ1 09 - Connecting the Viscous Grain-shearing Mechanism of Wave Propagation in Marine Sediments to Fractional Calculus - V. Pandey* (University of Oslo)

10:55 Tu STZ1 06 - Equivalen Migration of Vertical Cable Seismic Data to Estimate the Velocity Model in Hydrothermal Deposits - K. Tara* (University of Tokyo), E. Asakawa (U-MARIES/JIG), F. Murakami (JIG), H. Tsukahara (JIG) & J. McIntyre (Prismcast)


11:45 Tu STZ1 08 - Interbed Multiple Attenuation Using a Reflectivity Model from Well Logs - A. Egeteau* (OMV Exploration & Production GmbH), F. Adounia (OMV Tunisia Production GmbH), G. Cantarella (OMV Tunisia Production GmbH), J. Friha (OMV), R. Lenczowski (OMV Exploration & Production GmbH), M. Missarri (OMV Tunisia Production GmbH), A. Sorel (OMV Exploration & Production GmbH) & J. opener & T. V. Jakubowicz (Petronas Carigali Sdn Bhd)

15:30 Tu STZ1 12 - Application of Visco-acoustic Full Waveform Inversion for Gas Cloud Imaging and Velocity Model Building - A. Stolin* (Shell Global Solutions International BV), R. E. Flessas (Shell Global Solutions International BV), H. Kuehl (Shell Global Solutions International BV), V. Soh (Shell Global Solutions International BV) & K. Overgaard (Shell Global Solutions International BV)

16:20 Tu STZ1 15 - QPSTM Method and Application in Daqing Saertu Oilfield - C. Wang* (Petrochina Research Inst.of Daqing Oilfield (CNPCI))

16:45 Tu STZ1 16 - A Noise Robust Approach for Delineating Subsurface Structures within Migrated Seismic Volumes - M.A. Shafiq* (Georgia Institute of Technology) & G. Alfregi (Georgia Institute of Technology)
<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Authors</th>
<th>Location</th>
<th>Day</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tu STZ2 01</td>
<td>Wettability of Chalk and Argillaceous Sandstones Assessed from T1/T2 Ratio</td>
<td>K. Katika (Technical University of Denmark), B. U. Sadiain (Colorado School of Mines)</td>
<td>03</td>
<td>10:45</td>
<td></td>
</tr>
<tr>
<td>Tu STZ2 02</td>
<td>Fracture and Vug Characterization and Carbonate Rock Classification in a Fractured-vuggy Carbonate Reservoir with CT</td>
<td>F.W. Wang (China University of Petroleum (Beijing)), W.G. Guo (China University of Petroleum (Beijing)), C.W. Wang (China University of Petroleum (Beijing)), Y.L. Li (China University of Petroleum (Beijing))</td>
<td>03</td>
<td>11:00</td>
<td></td>
</tr>
<tr>
<td>Tu STZ2 03</td>
<td>The Saturation Calculation of Carbonate Reservoirs Based on Modified Archie Formula</td>
<td>S.S. Wei* (China University of Petroleum (Beijing)), J.S. Shen (China University of Petroleum (Beijing)), X.N. Li (China University of Petroleum (Beijing)), P.L. He (China University of Petroleum (Beijing)), Z.M. Zhu (China University of Petroleum (Beijing))</td>
<td>03</td>
<td>11:15</td>
<td></td>
</tr>
<tr>
<td>Tu STZ2 04</td>
<td>Classification and Evaluation of Carbonate Reservoirs Based on the Pore Structure in M Oilfield of Iraq</td>
<td>X.Y. Lin* (CNODC Research Institute), R.B. Gao (CNODC Research Institute), H.T. Ping (CNODC Research Institute)</td>
<td>03</td>
<td>11:30</td>
<td></td>
</tr>
<tr>
<td>Tu STZ2 05</td>
<td>Using Geophysical Well Logs to Estimate the Porosity System of Albian Carbonates of Campos Basin - Rio de Janeiro</td>
<td>C. de Abreu* (UENF) &amp; S. M. Carrasquilla (North Humenise University (UENF))</td>
<td>03</td>
<td>11:45</td>
<td></td>
</tr>
<tr>
<td>Tu STZ2 06</td>
<td>Petrophysics and Petrography of Aptian Tight Carbonate Reservoir, Aripche Basin, NE Brazil</td>
<td>T. Miranda* (Federal University of Pernambuco), J.A. Barbosa (Federal University of Pernambuco), I.F. Gomes (Federal University of Pernambuco), A. Soares (Federal University of Campina Grande), R.F.C. Santos (Federal University of Pernambuco), G.C. Mafra (Petrolbras), E.A. McKinnon (University of Texas at Austin), Y.M.L. Neumann (Federal University of Pernambuco)</td>
<td>03</td>
<td>12:00</td>
<td></td>
</tr>
<tr>
<td>Tu STZ2 07</td>
<td>Characterization of Carbonate Rocks’ Porous Space Using X-ray Microtomography</td>
<td>A. Duarte (UCFG), S. Soares (UCFG), L. Medeiros (Petrobrás), J. Silva* (Petroleum Research and Technology), L. Landau (UFRJ/COPPE), I. Borges (UCFG) &amp; G. Raposo (UFRJ/COPPE)</td>
<td>03</td>
<td>12:15</td>
<td></td>
</tr>
<tr>
<td>Tu STZ2 08</td>
<td>Characterization of Pore Geometry in Limestones Using X-ray Computed Microtomography</td>
<td>Y. Ji (China Earthquake Administration, Beijing), C. Wang (China University of Petroleum (Beijing))</td>
<td>03</td>
<td>12:30</td>
<td></td>
</tr>
<tr>
<td>Tu SRS1 09</td>
<td>Valhall Case Study - Value of Seismic Technology for Reducing Risks in a Reactive Overburden</td>
<td>N. Haller (BP Norge AS), R. Platsteorn (BP Norge AS), C. Twallin (BP), V. Dahle-Eriksen (BP Norge AS), P. Heavey (BP Norge AS), E. Kors (BP Norge AS), R. Mite (BP Norge AS) &amp; W.E.A. Rietveld* (BP)</td>
<td>01</td>
<td>08:30</td>
<td></td>
</tr>
<tr>
<td>Tu SRS1 10</td>
<td>Interpretation-guided Image Enhancement Using RTM Vector Image Partitions</td>
<td>R.G. Gau* (Schlumberger), O.Z. Zdraevuez (Schlumberger), M.H. Hegazy (Schlumberger) &amp; S.B. Buzzell (Schlumberger)</td>
<td>01</td>
<td>09:00</td>
<td></td>
</tr>
<tr>
<td>Tu SRS1 11</td>
<td>A Quantitative Approach to Reconcile Subsalt Images from Overlapping Surveys with Different Geometries</td>
<td>L.P. Lekin* (Schlumberger) &amp; M. Vie (Schlumberger)</td>
<td>01</td>
<td>09:30</td>
<td></td>
</tr>
<tr>
<td>Tu SRS1 12</td>
<td>Improved Subsurface Imaging in Complex Volcanic Setting by Using Beamlet-decomposition-based Image Enhancement Methods</td>
<td>A. Mogensen (Schlumberger) &amp; B. Santos-luis (Schlumberger)</td>
<td>01</td>
<td>10:00</td>
<td></td>
</tr>
<tr>
<td>Tu SRS1 13</td>
<td>The Significant Impact of Pore Texture on the Pattern of J-function - Feasibility of J-function in Geological Modeling</td>
<td>Y. Liu* (BGP CNPC), X.Y. Li* (CNOOC Research Institute), R.B. Qian (CNOOC Research Institute), X.Y. Wang (CNOOC Research Institute)</td>
<td>01</td>
<td>10:30</td>
<td></td>
</tr>
<tr>
<td>Tu SRS1 14</td>
<td>Third Time Lucky? Imaging the Dentale Formation Offshore Gabon</td>
<td>M. Mozetic (EVP Exploration, Repsol)</td>
<td>01</td>
<td>10:45</td>
<td></td>
</tr>
<tr>
<td>Tu SRS1 15</td>
<td>A New Depth Imaging Workflow for a Continuous Line Acquisition Survey in the North Sea</td>
<td>M. Yanez (Schlumberger), M. Joyce (Schlumberger), P.J. Whitfield (Schlumberger), N. Hall (Hansa Hydrocarbons), N. Jones (Consultant) &amp; C. Cunelli* (WesternGeco)</td>
<td>01</td>
<td>11:00</td>
<td></td>
</tr>
<tr>
<td>Tu SRS1 16</td>
<td>Geosteering, Full Formation Evaluation Including Sw, Phi and V Using Surface Logging Advanced Gas Data</td>
<td>F.J. Bataller* (Repsol E&amp;P), V.H. Góitia (Repsol E&amp;P) &amp; G. G. Beda (Repsol E&amp;P)</td>
<td>01</td>
<td>11:15</td>
<td></td>
</tr>
<tr>
<td>Tu SRS1 17</td>
<td>Improved Formation Evaluation Through Principal Component Analysis</td>
<td>B.M. Niculescu (University of Bucharest), G. Andreu* (University of Bucharest) &amp; C. Ciuperca (Weatherford International)</td>
<td>01</td>
<td>11:30</td>
<td></td>
</tr>
<tr>
<td>Tu SRS1 18</td>
<td>A New Depth Imaging Workflow for a Continuous Line Acquisition Survey in the North Sea</td>
<td>M. Yanez (Schlumberger), S. Joyce (Schlumberger), P.J. Whitfield (Schlumberger), N. Hall (Hansa Hydrocarbons), N. Jones (Consultant) &amp; C. Cunelli* (WesternGeco)</td>
<td>01</td>
<td>11:45</td>
<td></td>
</tr>
</tbody>
</table>

*Note: the abstract number indicates the specific day, location and order of the session (day – location – order).*
FULL WAVEFORM INVERSION I - VISCOS EFFECTS AND CASE STUDIES
F.B. Bleibinhaus (Montanuniversität Leoben)

08:30 Tu SRS2 01 - Visco-elastic Controlled-source Full Waveform Inversion without Surface Waves - M.P. Paschke* (Friedrich Schiller University Jena) & F.B. Bleibinhaus (Montanuniversität Leoben)

08:55 Tu SRS2 02 - Velocity and Inverse-Q Inversion by Waveform Tomography - F. Gao (Imperial College London) & Y. Wang* (Imperial College London)

09:20 Tu SRS2 03 - The Adjoint State Method for the Viscoelastic Wave Equation in the Velocity-stress Formulation - G. Falchi-Ouimet* (INRS-ETE), E. Gligorou (INRS-ETE) & B. Giroux (INRS-ETE)

09:45 Tu SRS2 04 - Visco-acoustic Full Waveform Inversion - R.E. Plessix* (Shell Global Solutions International BV), A. Stojan (Shell Global Solutions International BV), H. Kuehl (Shell Global Solutions International, USA), V. Gol (Shell Global Solutions International, Malaysia) & K. Overgaard (Shell Global Solutions International, Malaysia)

10:10 Break

10:30 Tu SRS2 05 - Multi-parameter Viscoelastic Full Waveform Inversion of Cross-well Seismic Data - M. Charrar* (Sholkovo Institute of Science and Technology) & C. Barnes (Université de Cergy-Pontoise)

10:55 Tu SRS2 06 - Full-waveform Inversion for High-resolution Velocity Model Building Offshore Trinidad - C.P. Pavol (Schlumberger) & O.J. Lewis* (Schlumberger)

11:20 Tu SRS2 07 - A Full-waveform Inversion Case Study from Offshore Gabon - A. Privitera (CGG), A. Ratcliff* (CGG) & N. Kotova (CGG)

11:45 Tu SRS2 08 - 3D Elastic Full Waveform Inversion - On Land Study case - J.A. Kormann* (Barcelona Supercomputing Center), D. Marli (Institute of Earth Sciences Jaume Almera), J.E. Rodriguez (Barcelona Supercomputing Center), I. Marzan (Institute of Earth Sciences Jaume Almera), N. Gutierrez (Barcelona Supercomputing Center), M. Ferrer (Barcelona Supercomputing Center), M. Hanich (Barcelona Supercomputing Center), J. de la Puente (Barcelona Supercomputing Center), R. Carbonell (Institute of Earth Sciences Jaume Almera), J.M. Cela (Barcelona Supercomputing Center) & S. Fernandez (IEFPGUL)

12:10 Lunch

IMAGING PARAMETER ESTIMATION
D. Lokehtnian (StatOil ASA) & P.R. Williamson (Total)

13:30 Tu SRS2 09 - Quadratic Form Tomography for Tilted Orthorhombic Media - S.M. Kankaryam (Schlumberger), M. Decker (Schlumberger), D. Nichols* (Schlumberger) & J. Mathewson (Schlumberger)

13:55 Tu SRS2 10 - Utilizing Diffractions in Wavefront-based Tomography - A. Bauer* (University of Hamburg), B. Schweitz (University of Hamburg), M. Lotze (University of Hamburg), T. Werner (University of Hamburg) & D. Gajewski (University of Hamburg)

14:20 Tu SRS2 11 - Anisotropy Signature in P-wave Extended Images for VTI Media - V. Li (Colorado School of Mines), I. Tsvankin* (Colorado School of Mines) & T. Alkhalifah (RAUST)

14:45 Tu SRS2 12 - Target Oriented Velocity Analysis with Marchenko Redatumed Data - C. Mildner* (ETH Zurich), F. Brogini (ETH Zurich) & J.O.A. Robertson (ETH Zurich)

15:10 Break


15:55 Tu SRS2 14 - Joint Migration Inversion for Laterally Varying Media - H.I. Hammad* (Delft University of Technology) & D.J. Verschuer (Delft University of Technology)

16:20 Tu SRS2 15 - High resolution, Super Efficient Wide Azimuth Beam Tomography for Velocity Model Building - A.M. Popovici* (Z-Terra Inc.), N. Tanushev (Z-Terra Inc.) & S. Hardesty (Z-Terra Inc.)

16:45 Tu SRS2 16 - Improvement of Gas Reservoir Detection from AVO Inversion in Time-frequency Domain - A. Nikoo* (Shahrood University of Technology), A. Roshandelkahoo (Shahrood University of Technology), H. Hassanpour (Shahrood University of Technology) & H. Saadatnia (NIOC)
e-Poster presentations Tuesday 31 May

Note: the abstract number indicates the specific day, location and order of the session (day – location – order).
Tu P3 01 - Porosity Calculation of Horizontal Wells when Acoustic Slowness Is Abnormal - A Case Study in Northern Orinos Basin, China - K.S. Li* (China University of Petroleum,Beijing), J. Diao (CUP(Beijing)), H. Li (Sinopec Research Institute of Petro Exploration), H.F. Sun (CUP(Beijing)), W. Su (CUP(Beijing)) & X. Yang (CUP(Beijing))

Tu P3 02 - Geophysical Characterization of Landslides in Serbia and Bosnia and Herzegovina - A GDB Project - M. Urosevic* (Curtin University of Technology), S. Kostadinov (AGD), M. Burazer (NGS), K. Suits (Terra Australis Geophysical), S. Arsenovic (CTU-IKPNI d.o.o.), D. Milosevic (Geoin Group), S. Zamorov (Curtin University of Technology) & F. Coren (OGS)

Tu P3 03 - Euler Deconvolution of the Analytic Signals of Gravity Gradient Tensor for Underground Horizontal Pipelines - D. Pan* (China University of Petroleum,Beijing), D.J. Liu (China University of Petroleum,Beijing), M. Deng (China University of Petroleum,Beijing), X. Cheng (China University of Petroleum,Beijing) & X. Wang (China University of Petroleum,Beijing)

Tu P3 04 - Application of Is-mine Geoelectric Methods for Detecting Tectonic Disturbances of the Coal Seam Structure - A. Gyulai (University of Miskolc), T. Dormo (University of Miskolc), M. Dobroka* (University of Miskolc) & J. Somogyi Molnár (University of Miskolc)


Tu P3 06 - Analysis of Selected Aromatic Hydrocarbons from Drinking Water and Natural Water Potentially Affected by Shale Gas Production - A. M. Tugulea* (Health Canada), J. Hitaw (Health Canada), C. Kubwabo (Health Canada), R. Charon (Health Canada) & R. Strathern (Health Canada)

Tu P3 07 - Comparative Evaluation of Ground Water Usage Using GRACE-GPS Data in Highly Urbanized Region in Uttar Pradesh, India - S. A. Awra* (Indian School of Mines) & P.K.R. Gautham (Wadia Institute of Himalayan Geology)

Tu P3 08 - Analysis of Micrometeor and Electrical Resistivity in Detecting Sliding Surface - M. Kazemnia Kakhki (LAMEMO/Federal University of Rio de Janeiro), W. Joao Manzor (LAMEMO/Federal University of Rio de Janeiro) & B. B. Saman* (LAMEMO/Federal University of Rio de Janeiro)

Tu P3 09 - A Link between the Pressure Dependency of Elastic and Electrical Properties of Porous Rocks - T. Han (CSIRO), B. Gurevich (CSIRO & Curtin University), M. Pervukhina* (CSIRO) & M.B. Clennell (CSIRO)

Tu P3 10 - Application of Fine Rock Physical Modeling Techniques in High-quality Reservoir Prediction of Glutenite - B.L. Yu* (BGFCNPC), X.H. Zhao (BGFCNPC), Y. Deng (BGFCNPC), X.C. Yao (BGFCNPC) & H. Chen (BGFCNPC)

Tu P3 11 - Capillary Pressure as a Source for Brie’s Fluid Mixing Law - O. Papageorgiou* (University of Edinburgh), K. Amalokwu (National Oceanography Centre) & M. Chapman (University of Edinburgh)

Tu P3 12 - Study on Anisotropy Affectation Factors of Longmaxi Formation Shale - F. Zhou* (SINOPEC Geophysical Research Institute), H.H. Liu (SINOPEC Geophysical Research Institute) & X. Xi (SINOPEC Geophysical Research Institute)

Tu P3 13 - A Decoupling Approach for Differential Equivalent Equations Based on Linear Approximation - L. Tan* (CNUOC), S.B. Hua (China University of Petroleum) & Y.X. Yin (China University of Petroleum)

Tu P3 14 - An Experimental Evidence of the Squirt-flow Effect in Glycerol-saturated Berea Sandstone at Seismic Frequencies - V. Mikhailitsvich* (Curtin University), M. Lebedev (Curtin University) & B. Gurevich (Curtin University)

Tu P3 15 - Low-frequency Seismic Reflection from a Fractured Layer - A.G. Krylova* (University of Houston) & G.M. Goloshubin (University of Houston)

Tu P3 16 - Laser Doppler Interferometer Waveform Enhancement Using a Space-varying Median Filter along the Structural Direction - J.V. Xie* (China University of Petroleum,Beijing), B. R. Di (China University of Petroleum,Beijing), J.J. Wei (China University of Petroleum,Beijing), C. N. Liu (China University of Petroleum,Beijing), Y.K. Chen (University of Texas at Austin) & S.W. Gan (China University of Petroleum,Beijing)

Tu P4 01 - Is There Value in Highly Spatially Sampled Zero-offset Vertical Seismic Profiles? - T. Dean (Schlumberger Oilfield UK), M. Clark (Schlumberger), T. Curuy* (Schlumberger) & J. Puech (Schlumberger)

Tu P4 02 - Traveltime Inversion of 3D or Multi-aximuthal Walkaway VSP Data for a Model with Dipping Tilted Orthorhombic Layers - E. Blais* (Baker Hughes)

Tu P4 03 - Vertical Seismic Profiling (VSP) Survey Optimization for Imaging Fracture Zones over Geothermal Areas - F. Reiser* (ETH Zürich), C. Schmelzbach (ETH Zürich), H. Mauer (ETH Zürich) & S. Greenhalgh (ETH Zürich)

Tu P4 04 - Reduction of Fault Uncertainties Using Vertical Seismic Profiling Data - M. Irakarama* (RING-GeoRessources, Université de Lorraine), F. Cipillard (RING-GeoRessources, Université de Lorraine) & G. Caumon (RING-GeoRessources, Université de Lorraine)

Tu P4 05 - Target-oriented Imaging Using Active and Passive Interferometry - M. Karrenbach* (OtsaSense) & S. Cole (OtsaSense)

Tu P4 06 - Auto-estimation of Up-down Waveforms in a Horizontal Borehole using Single Component Data - Y. Liu* (Norwegian University of Science & Technology), B. Aartsen (Norwegian University of Science & Technology), J. van der Neut (Delft University of Technology) & K. Wapenaar (Delft University of Technology)

Tu P4 07 - The Effects of Pulse Width on Fibre-optic Distributed Vibration Sensing Data - T. Dean (Schlumberger Oilfield UK), A. Hartog (Schlumberger), T. Curuy* (Schlumberger) & F. Englich (Schlumberger)

Tu P4 08 - The Use of Multi-frequency Acquisition to Significantly Improve the Quality of Fibre-optic Distributed Vibration Sensing - A. Hartog (Schlumberger), L.B. Lankomichev (Peter the Great St. Petersburg Polytechnic Uni), N.A. Ushakov (Peter the Great St. Petersburg Polytechnic Uni), O.J. Kotov (Peter the Great St. Petersburg Polytechnic Uni), T. Dean (Schlumberger Oilfield UK), T. Curuy* (Schlumberger) & A. Constantinou (Schlumberger)

Tu P4 09 - Adaptive Multi-component Subtraction Based on 3D Pattern Coding - J.L. Liu (Tsinghua university, Beijing, China), W.K. Lu (Tsinghua University, Beijing, China) & B.F. Wang* (Tsinghua University)

Tu P4 10 - Unified Suppression of Surface-related Multiple and Ghost in Local Plane Wave Domain - W.Q. Sun* (Tongji University) & H.Z. Wang (Tongji University)

Tu P4 11 - Breakthrough of Internal Multiple Attenuation with XIMIP Technology in Turin Basin - R. Li (Schlumberger China, SA), P. Wang (Schlumberger China,SA) & M. Chen (Petrolchima Tarim Oilfield Company), L.L. Luo (Petrolchima Tarim Oilfield Company), Y.F. Cui (Petrolchima Tarim Oilfield Company) & A. Dawson* (Schlumberger Geosolutions Gatwick)

Tu P4 12 - Apex-shifted Sparse Parabolic Radon Transform in Mixed Frequency-time Domain with Alternating Split Bregman Algorithm - X.L. Li* (China University of Petroleum (East China)) & Z.C. Li (China University of Petroleum (East China))

Tu P4 13 - Random Noise Attenuation by Learning-type Overcomplete Dictionary Based on K-singular Value Decomposition Algorithm - C.X. Yu (Jilin University), L.G. Han (Jilin University), D.X. Xu (Jilin University) & H.Y. Sun* (Jilin University)

Tu P4 14 - Seismic In The Arctic - Suppressing Seismic Noise Due to Vibrating Ice - K. Jensen* (University of Bergen), B.D. Rued (University of Bergen), T.A. Johannsen (University of Bergen) & M. Landschule (University of Bergen)

Tu P4 15 - Noise Attenuation of Seismic Data Using Anisotropic Diffusion Method - T. Han (CSIRO), B. Gurevich (CSIRO & Curtin University), F. Zhou* (Schlumberger Oilfield UK), Z.X. Li* (China University of Petroleum,Beijing), A. Constantiou (Schlumberger)

Tu P4 16 - Reduction of Fault Uncertainties Using Vertical Seismic Profiling Data - M. Irakarama* (RING-GeoRessources, Université de Lorraine), F. Cipillard (RING-GeoRessources, Université de Lorraine) & G. Caumon (RING-GeoRessources, Université de Lorraine)

Tu P4 17 - Target-oriented Imaging Using Active and Passive Interferometry - M. Karrenbach* (OtsaSense) & S. Cole (OtsaSense)
Tu P5 01 - A Case Study on Multiple Stratigraphic Reservoirs Related with Weathered Granite Buried-bill - X.M. Luo* (RIPED-NWGI,PetroChina), L. Yang (RIPED-NWGI, PetroChina), R.H. Wang (RIPED-NWGI, PetroChina), W.H. Gu (RIPED-NWGI, PetroChina), Q.F. Han (RIPED-NWGI, PetroChina) & Z.C. Li (RIPED-NWGI, PetroChina)

Tu P6 01 - The Importance of Locally Converged Shear Waves in the Thin Layers AVO Response - A Physical Modeling Study - C. A. Martins de Assis* (North Fluminense State University-UFEN), S.A.M. Oliveira (North Fluminense State University-UFEN), R.M. Missagia (North Fluminense State University-UFEN) & M.A.R. Ceia (North Fluminense State University-UFEN)


Tu P6 02 - Joint PP-PS Inversion Based on The Reflectivity Method - L. Chen* (China University of Petroleum,Beijing), J.Y. Li (China University of Petroleum,Beijing), H.X. Liu (Research Institute of Bohai Oil Company,CGNCO), H. Zhang (China University of Petroleum,Beijing), H.Y. Yu (China University of Petroleum,Beijing) & R.K. Chen (China University of Petroleum,Beijing)

Tu P5 03 - A High-resolution Facies Model of Pre-salt Lacustrine Carbonates. Reservoirs. Morro do Chaves Fm. Example, Brazil - P. T. L. Menezes* (IDGAP-UFV-UF), J.M. Travassos (Civil Engineering, COPPE/UFPR) & M.A.M. Medeiros (GEFEX-UFRJ)

Tu P6 03 - Modeling and Analysis of Frequency-dependent AVO Attributes for Fluids Saturation Prediction - S. Zhang* (China University of Petroleum (Beijing), S. Chen (China University of Petroleum (Beijing)) & X.Y. Li (China University of Petroleum,Beijing)

Tu P5 04 - Non-hydrocarbon Migration Model in Petroleum System Analysis - An Integrated Procedure for Accurate Risk Assessment - C. Gelot* (en SpA), A. Consonni (en SpA), M. Dalla Rosa (en SpA), A. Battistelli (Saipem SpA), V. Bortolotti (University of Bologna), M.E. Vasini (University of Bologna) & C. Corrino (University of Bologna)

Tu P6 04 - Reflection Coefficient Analysis Based on Wavelet-patchy Saturation Model - F. He* (China University of Petroleum(East China)), G.Z. Zhang (China University of Petroleum(East China)), Z.L. Pei (China University of Petroleum(East China)), J.J. Xue (China University of Petroleum(East China)) & J.J. Song (China University of Petroleum(East China))

Tu P5 05 - Pose and Thickness of Facies Models in Pre-salt Lacustrine Carbonates Reservoirs. Morro do Chaves Fm. Example, Brazil - P. T. L. Menezes* (IDGAP-UFV-UF), J.M. Travassos (Civil Engineering, COPPE/UFPR) & M.A.M. Medeiros (GEFEX-UFRJ)

Tu P6 05 - Dependency of AVO and AVOA Signature for long-offset P-wave Seismic Reflections in the Vicinity of Volcanic Structures - M.A.M. Jelani* (University of Leids/Universitas Malaya Terengganu) & D. Angus (University of Leids)

Tu P5 06 - A Discussion on the Hydrocarbon Generation Lower Limit of Source Rocks - B. Busch* (North Fluminense State University-UENF), S.A.M. Oliveira (North Fluminense State University-UENF), G.M. Mittermeir* (Mining University of Leoben), C. Steiner (Mining University of Leoben)

Tu P6 06 - Verification Of Geological Models With One Single Simulation Run - M. E. K. Mokhtar* (University of Calgary), D. Ji (University of Calgary), Z. Gui (Yangtze University), Z. Chen (University of Calgary), W.J. Plug (TAQA Energy B.V.), G. van Yperen (EBN B.V.) & W. Botermans (B-PES)

Tu P5 07 - Facies Characteristic, Paleoenvironmental reconstruction, and Reservoir Characterization of the Daryan Formation, Lauer - M. Jamalian* (Pars Petro Zagos Engineering & Services Company), A. Fathi (Pars Petro Zagos Engineering & Services Company), M. Goodarzi (Pars Petro Zagos Engineering and Services Company) & M. Jamalian (Islamic Azad University)

Tu P6 07 - Nonlinear Three-term AVO Inversion Based on Exact Zoeppritz Equations - L. Zhou* (China University of Petroleum - Beijing), J.Y. Li (China University of Petroleum - Beijing), X.Y. Li (China University of Petroleum - Beijing), X.C. Li (China University of Petroleum - Beijing) & L. C. Li (China University of Petroleum - Beijing)

Tu P5 08 - Azimuthal AVO of P-wave at the Boundary between Two TTI Media - H.W. Wang (China University of Mining and Technology(Beijing)), S.P. Peng (China University of Mining and Technology(Beijing)) & W.F. Du* (China University of Mining and Technology(Beijing))

Tu P5 09 - Preservation of Reservoir Quality in Sandstones by Chlorite Coats - Insights From Viewing Ion-milled Samples in SEM - M.-L. Grundtner* (Montanuniversitaet Leoben, Petroleum Geology), M. Panahzadeh* (Tabriz University) & S. S. M. Jelani* (University of Manchester)

Tu P6 09 - Volume Effects on Methane- Shale Adsorption under Reservoir Conditions - S. Yang* (University of Calgary), W. Wu (University of Calgary), J. Xu (University of Calgary), D. J. (University of Calgary) & Z. Chen (University of Calgary)

Tu P5 10 - Diagenesis in Cenomanian Clastic Reservoir Rocks of the Alpine Foreland Basin (Austria) - M. L. Grundner* (Montanuniversitaet Leoben, Petroleum Geology), D. Gross (Montanuniversitaet Leoben, Petroleum Geology), G. Samsu (Monash University, School of Earth and Atmospheric), H.G. Linzer (Rohz-Aufsusschungen AG), D. Mish (Montanuniversitaet Leoben, Petroleum Geology), R. Sachsenhafer (Montanuniversitaet Leoben, Petroleum Geology), L. Scheucher (Rohl-Aufsusschungen AG) & S. Schnitzer (GDZ SUEZ E&P Deutschland GmbH)

Tu P6 10 - Integrated Development of Europe's Largest Open-access Underground Gas Storage by Use of a Multidisciplinary Simulator - F. Brunion* (TADA Energy B.V.), W.J. Plug (TADA Energy B.V.), G. van Yperen (EBN B.V.) & W. Botermans (B-PES)

Tu P5 11 - Detection of Diagenetic Facies Using Well Logs in Tight Sandstone Reservoir - A Case from Chang 7 in Ordos Basin, China - Y. Cui* (China University of Petroleum - Beijing), G. Wang (China University of Petroleum - Beijing), Y. Sun (China University of Petroleum - Beijing), Y. Fan (China University of Petroleum - Beijing) & Z. Zhou (China University of Petroleum - Beijing)

Tu P6 12 - Verification Of Geological Models With One Single Simulation Run - G.M. Mittermeir* (Mining University of Leoben), C. Steiner (Mining University of Leoben), M.M. Gharsalla (Zueitina Oil Company) & Z.E. Heinemann (Mining University of Leoben)


Tu P5 13 - Impact of Facies-related Diagenesis on the Heterogeneity of Reservoir Sandstones - Obaid Field, Western Desert, Egypt - R. Badr* (Cairo University), M. El-Abnawy (Cairo University) & A. El-Kammar (Cairo University)

Tu P6 14 - Automatic Microseismic Events Detection by Phase-only Correlation - C.X. Chang (Institute of Geology and Geophysics,CAIS), W.S. Wu* (Institute of Geology and Geophysics,CAIS) & S.P. Du* (Institute of Geology and Geophysics,CAIS)

Tu P5 15 - Investigation of Diagenetic Alteration, Mineralization And Stream Sediment Geochemistry in Chahregan Sedimentary Basin - M. Panahzadeh* (Tabriz University) & R. Massumi (Tabriz University)

Tu P6 15 - Microseismic Events Enhancement in Sensor Arrays Using Autocorrelation Based Filtering - E. Liu* (Georgia Institute of Technology), L. Zhu (Georgia Institute of Technology), J.H. McClellan (Georgia Institute of Technology), A. Al-Shuhail (KFUPM) & S.I. Ekin (KFUPM)

Tu P5 16 - Investigation of Ambient Noise Levels in the Adana Basin and its Surroundings, Southern Turkey - N. Bulut* (Istanbul Technical University), A. Kocaglu (Istanbul Technical University) & A. Kasiliar (Istanbul Technical University)

Tu P6 16 - Observation Of 4D Seismic Data to Semi Quantify Residual Oil Saturation by Karathan-Loomie Transform and Neural Artificial Network During CSS - S. Yang* (University of Calgary), D. Ji (University of Calgary), Z. Gai (Yangtze University), Z. Chen (University of Calgary) & L. Zhong (China University of Petroleum - Beijing)

Tu P5 17 - Source Mechanisms and Stress State Observations - A Physical Modeling Study - A.V. Strudley (Chevron Global Upstream & Gas) & A. A. Duchin (Institute of Petroleum Geology & Geophysics SB RAS)
### e-Poster presentations Tuesday 31 May

Note: the abstract number indicates the specific day, location and order of the session (day – location – order).

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30</td>
<td>Tu P7 01</td>
<td>Study of the Curvelet Transform for Aliasing 3D Seismic Data Recovery</td>
<td>M. Sun* (1. China University of Petroleum 2. SGC Shengli), Z. Li (China University of Petroleum), P. Yong (China University of Petroleum) &amp; J. Zhao (SGC Shengli)</td>
</tr>
<tr>
<td>08:55</td>
<td>Tu P7 02</td>
<td>Shaping Spectrum of Short-time Fourier Transform for Broadening the Seismic Bandwidth</td>
<td>Z.J. Ge* (China University of Petroleum - Beijing), J.Y. Li (China University of Petroleum - Beijing), X.H. Chen (China University of Petroleum - Beijing), R.K. Chen (China University of Petroleum - Beijing) &amp; K.K. Guo (China University of Petroleum - Beijing)</td>
</tr>
<tr>
<td>09:20</td>
<td>Tu P7 03</td>
<td>A Robust Deconvolution Algorithm with Sparsity and Lateral Continuity Constraints</td>
<td>Y. Zhao* (China University of Petroleum (Beijing)), G. Li (China University of Petroleum (Beijing)) &amp; B. Li (China University of Petroleum (Beijing))</td>
</tr>
<tr>
<td>09:45</td>
<td>Tu P7 04</td>
<td>Anelastic Medium Seismic Reflectivity Estimation With L1 Norm and Bregman Iteration</td>
<td>Y. Zhao* (China University of Petroleum (Beijing)), G. Li (China University of Petroleum (Beijing)) &amp; B. Li (China University of Petroleum (Beijing))</td>
</tr>
<tr>
<td>10:10</td>
<td></td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>10:30</td>
<td>Tu P7 05</td>
<td>Colored Gabor Deconvolution</td>
<td>Y.Y. Ma* (China University of Petroleum (Beijing)), S.Y. Cao (China University of Petroleum (Beijing)), D. Yuan (China University of Petroleum (Beijing)) &amp; Z.J. Wang (CNOOC Research Institute)</td>
</tr>
<tr>
<td>10:55</td>
<td>Tu P7 06</td>
<td>Coherent Noise Attenuation Using Mathematical Morphological Filtering</td>
<td>W. Huang* (China University of Petroleum), R. Wang (China University of Petroleum - Beijing), L. Zhang (China University of Petroleum - Beijing), X. An (China University of Petroleum - Beijing) &amp; Y. Zhou (China University of Petroleum - Beijing)</td>
</tr>
<tr>
<td>12:10</td>
<td></td>
<td>Lunch</td>
<td></td>
</tr>
<tr>
<td>13:30</td>
<td>Tu P7 09</td>
<td>Azimuthal Dependence of Normal Moveout Velocities in Anisotropic Media</td>
<td>Y.V. Roganov* (Consultant) &amp; A. Stovas (NTNU, Norway)</td>
</tr>
<tr>
<td>13:55</td>
<td>Tu P7 10</td>
<td>Long-offset Moveout Approximation for VTI Elastic Layered Media</td>
<td>I. Ravve (Paradigm) &amp; Z. Koren* (Paradigm)</td>
</tr>
<tr>
<td>14:20</td>
<td>Tu P7 11</td>
<td>Long-offset Parametric Moveout Approximation for VTI Elastic Layered Media</td>
<td>I. Ravve* (Paradigm) &amp; Z. Koren (Paradigm)</td>
</tr>
<tr>
<td>14:45</td>
<td>Tu P7 12</td>
<td>A NMO Correction Method Without Stretching Distortion</td>
<td>J.F. Xie* (China University of Petroleum (Huadong)), E.Y. Sun (China University of Petroleum (Huadong)), Q.R. Xu (China University of Petroleum (Huadong)) &amp; Z.A. Yao (China University of Petroleum (Huadong))</td>
</tr>
<tr>
<td>15:10</td>
<td></td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>15:30</td>
<td>Tu P7 13</td>
<td>Background Velocity Inversion with Scatter Gaussian Packet</td>
<td>H. Li (Tongji University), H. Wang (WPI, Tongji University), J. Yin (Department of Mathematics, Tongji University) &amp; S. Guo* (Tongji University)</td>
</tr>
<tr>
<td>15:55</td>
<td>Tu P7 14</td>
<td>Velocity Model Building with Well Mis-tie Extension in TTI Media</td>
<td>F. Zhang* (Statoil), D. Wang (Statoil), S. Xu (Statoil) &amp; H. Zhou (Statoil)</td>
</tr>
<tr>
<td>16:20</td>
<td>Tu P7 15</td>
<td>First-arrival Traveltime Tomography with Modified Total Variation Regularization</td>
<td>W. Jiang* (University of Science and Technology of China) &amp; J. Zhang (University of Science and Technology of China)</td>
</tr>
<tr>
<td>16:45</td>
<td>Tu P7 16</td>
<td>Estimation of the Anisotropy Parameters from Imaging Moveout of Diving Wave in a Factorized VTI Medium</td>
<td>S. Xu* (Norwegian University of Science &amp; Technology), A. Stovas (Norwegian University of Science &amp; Technology) &amp; T. Alkhalifah (King Abdullah University of Science and Technology)</td>
</tr>
</tbody>
</table>
### Student e-Poster presentations Tuesday 31 May

<table>
<thead>
<tr>
<th>Session 1</th>
<th>Session 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>08:30</strong></td>
<td><strong>09:20</strong></td>
</tr>
<tr>
<td>Tu SP1 01 - Lower Cretaceous Evolution of the Fingerdjupet Sub-basin - B. Acharyya* (University of Stavanger), A. Escalona (University of Stavanger), B.K.L. Bryn (Centrica) &amp; S.S. Haaland (Centrica)</td>
<td>Tu SP1 03 - 2D Flexural Modelling of the Barents Sea - H. Ostbye (University of Stavanger), A. Escalona (University of Stavanger) &amp; N. Cardozo (University of Stavanger)</td>
</tr>
<tr>
<td>Tu SP1 02 - Seismic Characterization of Lower Cretaceous Clinoform Packages in the Fingerdjupet Sub-basin, Northwestern Barents Sea - C.H. Hinnov* (University of Stavanger), A. Escalona (University of Stavanger), B.K.L. Bryn (Centrica) &amp; S.S. Haaland (Centrica)</td>
<td>Tu SP1 04 - Evolution of the Eastern Austrian Molasse Basin - The Lower Miocene - A. Soliman (Tanta University)</td>
</tr>
<tr>
<td>Tu SP1 03 - 3D Flexural Modelling of the Barents Sea - H. Ostbye* (University of Stavanger), A. Escalona (University of Stavanger) &amp; N. Cardozo (University of Stavanger)</td>
<td>Tu SP1 04 - Advanced Numerical and Analytical Simulation of Polymer Flooding - D.C. Rahajja* (Clausthal University of Technology), S. Hikmatkar (Clausthal University of Technology) &amp; R. Susanto (Clausthal University of Technology)</td>
</tr>
<tr>
<td><strong>10:10</strong></td>
<td><strong>10:55</strong></td>
</tr>
<tr>
<td>Lunch</td>
<td>Tu SP1 06 - Structural Geology and Stratigraphy of the Ugandan Albertine Grabsen - M. Balyesima* (Makerere University)</td>
</tr>
<tr>
<td><strong>11:20</strong></td>
<td><strong>12:10</strong></td>
</tr>
<tr>
<td>Tu SP1 07 - Strike-slip Structure and Kinematics of the Nubian Faults, South Egypt - S. Ibrahim* (Cairo University, Padova University), M. Massironi (University of Padua), D. Zampieri (University of Padua), S. Sakran (Cairo University) &amp; A. Ninfo (University of Padua)</td>
<td>Lunch</td>
</tr>
<tr>
<td>Tu SP1 08 - Reconstruction of Subsurface Depositional History of Oshere Niger Delta through Electro- and Seismo-sequence Analyses - J.R. Onayemi* (University of Lagos) &amp; S.S. Giadale (University of Lagos)</td>
<td><strong>13:30</strong></td>
</tr>
<tr>
<td><strong>13:55</strong></td>
<td><strong>14:20</strong></td>
</tr>
<tr>
<td>Tu SP1 09 - Advantages of Probabilistic Approach to Microseismic Events Location - A Case Study from Northern Poland - W. Gałak* (Polish Academy of Sciences), J. Trojanowski (Polish Academy of Sciences) &amp; M. Malinowski (Polish Academy of Sciences)</td>
<td>Tu SP1 11 - From Basin Analysis to Play Concept - A Systematic Approach Applied to the Northern Deoblip of Niger Delta Basin - J.R. Onayemi* (University of Lagos) &amp; S.S. Giadale (University of Lagos)</td>
</tr>
<tr>
<td>Tu SP1 10 - Upper Crustal Structure of Cameroon (West Africa) from Ambient Noise Love Wave Tomography - A.D. Ojo* (University of Science &amp; Technology of China), S. Ni (Chinese Academy of Sciences) &amp; Z. Li (Chinese Academy of Sciences)</td>
<td><strong>14:45</strong></td>
</tr>
<tr>
<td>Tu SP1 12 - A New Thermal Method Concept for IOR from Oil Reservoir Using Optimized in situ Combustion - G. Cheraghian* (Islamic Azad University)</td>
<td>Tu SP1 12 - A Simple Velocity Inversion for Microseismic Event Location - W. Choi* (Inha University), S. Ryu (Inha University), W. Kim (Korea Institute of Geoscience and Mineral Resources) &amp; H. Kim (Geoenv)</td>
</tr>
<tr>
<td><strong>15:10</strong></td>
<td><strong>15:30</strong></td>
</tr>
<tr>
<td>Lunch</td>
<td>Tu SP1 13 - Response of Nepal Earthquake and its Associated Earthquakes Using Strong Ground Motion Data Recorded in Uttak Pradesh - M. Dagar* (Indian School of Mines) &amp; B. Sharma (Indian Institute of Earth Sciences)</td>
</tr>
<tr>
<td>Tu SP1 14 - Probabilistic Seismic Hazard Assessment in Northeast of Iran - S.J. Motavalli Anbaran* (University of Tehran) &amp; G. Bagherpur (University of Tehran)</td>
<td><strong>16:20</strong></td>
</tr>
<tr>
<td>Tu SP1 15 - Stress Change Pattern and their Relation with Orientation of Fault - A. Patel* (Indian School of Mines)</td>
<td>Tu SP1 15 - Descriptive Source Rock Quality Mapping Based on Chemostratigraphic Classification of Bulk Geochemical Data, Persian Gulf Basin - M.M. Alipour Mamaqani* (Shahid Chamran University of Ahvaz), B. Alizadeh (Shahid Chamran University of Ahvaz), A. Chehrazi (National Iranian Offshore Oil Company), S. Mirzaie (Petrosan), S. Shabik (Petrosan), B. Khan (Research Institute of Petroleum Industry) &amp; S. Ramos (Infometria)</td>
</tr>
<tr>
<td>Tu SP1 16 - Estimation of Crustal and Upper Mantle Configuration of Dhanbad Region Using Receiver Function Analysis - A. Kumra* (Indian School of Mines), A. Verma (Indian School of Mines) &amp; G.P. Mishra (Indian Ministry of Earth Sciences)</td>
<td><strong>16:45</strong></td>
</tr>
</tbody>
</table>

---

**Notes:**
- The abstract number indicates the specific day, location and order of the session (day – location – order).
- Break times are indicated throughout.
- Best Student Paper Prize

---

*VIENNA 2016*
Oral presentations Wednesday 1 June

Note: the abstract number indicates the specific day, location and order of the session (day – location – order).

Lehár 1

**EXPLORATION - PLAYS, PROSPECTS AND PROSPECT EVALUATION**

- We LHR1 01 - The Influence of Pore Pressure in Assessing Hydrocarbon Proximity - A Review - S. Green (Ikon Science), S.A. O’Connor (Ikon Science) & A.P. Edwards* (Ikon Science)

- We LHR1 02 - Mature Exploration Challenges in Murzuq Basin (Libya) - Chasing Stratigraphic Traps - M. Ron Martin* (Reposol), J. Buitrago (Reposol), M. Erquigua (Reposol), I. Sarrivasi (Reposol) & J.M. Gonzalez Murillo (Reposol)

- We LHR1 03 - Namibe: W. Africa’s Last Frontier Basin - D. Rathe+ (Schlumberger) & K. Kornpüh (Schlumberger)

- We LHR1 04 - GDE Based Play Maps - The Traps for Young Players - C.J. Cubitt* (HOT Engineering GmbH), S.A. Talman (HOT Engineering GmbH) & P. Guasti (HOT Engineering GmbH)


- We LHR1 12 - Application of Near-orthogonal Air-gun Sequences for Marine Seismic Source Encoding - M.B. Mueller* (ETH Zurich), D.F. Halliday (Schlumberger Gould Research), D.J. van Manen (ETH Zurich) & J.O.A. Robertsenn (ETH Zurich)

- We LHR1 13 - Image-guided Regularized Marine Controlled Source Electromagnetic Tomography - M. Maraschinn (WesternGeco), A. Kielius (WesternGeco) & K. Spitzer* (TU Bergakademie Freiberg)

Lehár 2

**SIMULTANEOUS SOURCES**

- We LHR2 01 - Where Are We Today with ISO De-blending Processing Capability? Results from Shallow Water OBC Data, Indonesia - S. Wolfarth (BP Indonesia), D. Priyambodo (BP Indonesia), T. Manning (BP Indonesia), T. Septyna* (BP Indonesia) & S. Putri (BP Indonesia)

- We LHR2 02 - Recovery of Blended Data - A Sparse Coding Approach for Seismic Acquisition - M. Guillouet* (CGG), A. Berthaud (CGG), T. Bianchi (CGG), A. Pignot (CGG), S. Mahrozqi (Petroleum Development Oman) & J. Shouter (Petroleum Development Oman)

- We LHR2 03 - Design of Near-orthogonal Air-gun Sequences for Marine Seismic Source Encoding - M.B. Mueller* (ETH Zurich), D.F. Halliday (Schlumberger Gould Research), D.J. van Manen (ETH Zurich) & J.O.A. Robertsenn (ETH Zurich)

- We LHR2 04 - Record-length Extension by Rank-decoding De-blending - M. Maraschinn (WesternGeco), A. Kielius (WesternGeco) & K. Spitzer* (TU Bergakademie Freiberg)

**ELECTROMAGNETIC METHODS II - INVERSION**


- We LHR2 06 - Wavefield Signal Apparition, Part II - Theory - J.O.A. Robertsenn* (ETH Zurich), L. Amundsen (Statoil) & A. Sjöqvist Pedersen (Statoil)

- We LHR2 07 - Wavefield Signal Apparition, Part II - Application to Simultaneous Sources and The Separation - A. Sjöqvist Pedersen (Statoil), L. Amundsen (Statoil) & J.O.A. Robertsenn* (ETH Zurich)

**TIME-LAPSE SEISMIC INTERPRETATION I**

- We LHR2 08 - Wavefield Signal Apparition, Part II - Application to Simultaneous Sources and The Separation - A. Sjöqvist Pedersen (Statoil), L. Amundsen (Statoil) & J.O.A. Robertsenn* (ETH Zurich)

- We LHR2 09 - 3D Inversion of Helicopter-borne Electromagnetic Data - A Cut- & Paste Strategy - M. Scheunert (TU Bergakademie Freiberg (now at TU Chemnitz)), A. Ullmann (BGR Hannover (now at LIAG Hannover)), M. Aflasijew (TU Bergakademie Freiberg), R.U. Börner (TU Bergakademie Freiberg), B. Siemon (BGR Hannover) & K. Spitzer* (TU Bergakademie Freiberg)

- We LHR2 10 - Application of Paredo-Joint Inversion in MT and Gravity Data Interpretation - Example from North Poland - A. Bogacz* (AGH University of Science and Technology), T. Danek (AGH University of Science and Technology), M. Kiernek (AGH University of Science and Technology), L. Sito (Geopartner Ltd.), P. Targosz (Geopartner Ltd.) & M. Wojdylo (Geopartner Ltd.)

- We LHR2 11 - Accessing a North Sea Reservoir Connectivity from 4D Seismic and Production Data - M. Ayzenberg* (Statoil ASA) & Z. Yin (Heriot-Watt University)

- We LHR2 12 - Using Broadband mCSEM-driven Velocity Model Building to Improve Complex Subsalt Imaging - A. Zeri* (Schlumberger), M.P. Buonora (Petrobras EOR/IAMS), F. Moiti (Schlumberger), J.L.S. Cepalid (Petrobras EOR/IAMS) & PTL, Menezes (Petrobras EOR/IAMS)

**PetroEx 2016**

- We LHR2 13 - Imaging-guided Regularized Marine Controlled Source Electromagnetic Inversion - Z. Guse* (Norwegian University of Science & Technology), H. Dong (Norwegian University of Science & Technology) & A. Kristensenn (Norwegian University of Science & Technology)

- We LHR2 14 - Breakthrough Risk Assessment before Drilling - A. Guglielmo* (Paradigm Geophysical Services Ltd.), A. Di Noci (Schlumberger) & P. Reznik (Schlumberger)

- We LHR2 15 - Large-scale Seismically Guided Anisotropic Inversion of the Towed Streamer EM Data Acquired in the Barents Sea - M.S. Zhdanov* (Technomaging and U of U), M. Endo (Technomaging LLC), M. Cuma (Technomaging and U of U), D. Sunwall (Technomaging), J. Malberg (PGS Geophysical AS), A. McKay (PGS Geophysical AS), T. Thering (PGS Geophysical AS) & J. Midgly (PGS Geophysical AS)

- We LHR2 16 - Looking for the Lost Correlation - C. Magneron* (Estimates)

**Lunch Break**

12:10 Lunch

12:40 Lunch
SEISMIC RESERVOIR CHARACTERIZATION I - SEISMIC INVERSION ADVANCE
P. Landranch (Maersk Oil) & J.A. Edgar (Total E&P UK Limited)

SEISMIC RESERVOIR CHARACTERIZATION II - FROM CASE STUDIES TO NEW ADVANCES

SEISMIC RESERVOIR CHARACTERIZATION III - GEOSTATISTICAL RESERVOIR MODELLING

SEISMIC RESERVOIR CHARACTERIZATION IV - 3D GEOSTATISTICAL RESERVOIR MODELLING

OPTIMIZING LAND ACQUISITION DESIGN
N. Tellier (Sercel) & M.A. Hall

We LHR4 01 - Real-time Adaptive Broadband Land Seismic Acquisition - A. Zhukav* (Lomonosov Moscow State University), I. Korotkov (Lomonosov Moscow State University), I. Nekrasov (GDS Ltd), T. Galikeev (Unifledgeo Ltd) & E. Sidenko (Lomonosov Moscow State University)

We LHR4 02 - Maximizing Information Content of Seismic Data through Optimized Acquisition Design - A Case History from South Tancia - M. Pastori (ENI), M. Bua (ENI), A. Mascriarelli (ENI), G. Tortini (ENI), F. Pradalié (CGG), T. Bianchi (CGG), H. Millet (CGG), S. Trabelsi (CGG), W. Oueslati (CGG) & P. Herrmann* (CGG)

We LHR4 03 - Prestack Simultaneous Inversion to Predict Lithology in the Realgrunnen Subgroup of the Goliat Field, SW Barents Sea - H.D. Yenwoongfa* (University of Oslo/ITWM) & J.J. Falade (University of Oslo)

We LHR4 04 - Realistic Uncertainty Quantification in Geostatistical Seismic Reservoir Characterization - A. Moradi Tehrani* (CGG), A. Stallone (Rome Tre University), R. Bornard (CGG) & S. Boudon (CGG)

We LHR4 05 - Using 2D Ring Arrays to Remove Back-scattered Surface Noise from Land Seismic Data - C. Storck (ION Geophysical), D. Flinttge (ION Geophysical), C. Dingus (ION Geophysical), N. Bernitas* (ION Geophysical) & P. Farmer (ION Geophysical)

We LHR4 06 - A New Skip Sweep Harmonic Elimination Method - Z. Men* (BGP/CNPC), J.F. Wang (BGP/CNPC), Y.S. Lei (BGP/CNPC), T. Ma (BGP/CNPC), H.Y. Li (BGP/CNPC), K.P. Hou (BGP/CNPC) & X.B. Shi (BGP/CNPC)

We LHR4 07 - Automated and Real-time Field PSTM - How to QC More Efficiently 10 Billion Traces Today and More Tomorrow - J.C. Cotton* (CGG), M. Bailes (CGG), S. Mahrooqi (PDO), J. Porter (PDO), M. Denis (CGG), S. Baris (CGG), E. Forgues (CGG) & H. Chiarus (MINES ParisTech)

We LHR4 08 - Probabilistic Seismic-petrophysical Inversion Applied for Reservoir Characterization in Offshore Nile Delta - M. Alemi* (University of Pisa), F. Cabbari (Edison), B. Garcea (Edison), F. Peruzzo (Edison) & A. Mazzotti (University of Pisa)

We LHR4 09 - Shared Low Frequency Vibroseis Acquisition - P. Thierry (Intel Corporation), A. St-Cyr (Shell Global Solutions International BV), M. Hanisch (Barcelona Supercomputing Center) & G.R. Roeth (NVIDIA Ltd.)

We LHR4 10 - A Parallelization Strategy for the 3D Data Mapping Problem in Angle Migration - D.M. Merten* (Fraunhofer ITWM)

We LHR4 11 - Parallel File System Profiling and Tuning Using Earthquake Simulation Application - G. Piaciucci* (Intel Corporation), P. Thierry (Intel Corporation) & F. de Martin (BRGM)

We LHR4 12 - Interactive Load-balanced Computations Over Dynamic Resource Sets - V. Aggarwal* (Shell) & T. Nylberg (Shell)

We LHR4 13 - GPU Performance Analysis of Discontinuous Galerkin Implementations for Time-Domain Seismic Wave Propagation - A. Modave* (Virginia Tech), J. Chan (Virginia Tech) & T. Warburton (Virginia Tech)

We LHR4 14 - GpuVrapper: A Portable API for Heterogeneous Programming at CGG - V. Arafin (CGG), J.Y. Blanc (CGG), F. Darden (CGG), M. Dutcher (CGG), G. Stitarman (CGG), M. Tchiobouldjian* (CGG), G. Thomas-Colignon (CGG) & S. Vitorcia (CGG)

We LHR4 15 - Automating End-to-end Optimisation of Finite Difference Codes for Time-Domain Seismic Wave Propagation - A. Modave* (Virginia Tech), J. Chan (Virginia Tech) & T. Warburton (Virginia Tech)

We LHR4 16 - ACE - Reverse Migration at Extreme Scale - D. Gruenewald* (Fraunhofer ITWM)

Break
<table>
<thead>
<tr>
<th>Oral presentations Wednesday 1 June</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Lehrer 5</strong></td>
</tr>
<tr>
<td>DIFFRACTION MODELLING AND IMAGING</td>
</tr>
<tr>
<td>C. Tsingas (Saud Aramco)</td>
</tr>
<tr>
<td><strong>08:30</strong></td>
</tr>
<tr>
<td><strong>08:55</strong></td>
</tr>
<tr>
<td><strong>09:20</strong></td>
</tr>
<tr>
<td><strong>09:45</strong></td>
</tr>
<tr>
<td><strong>10:10</strong> Break</td>
</tr>
<tr>
<td><strong>10:30</strong></td>
</tr>
<tr>
<td><strong>10:55</strong></td>
</tr>
<tr>
<td><strong>11:20</strong></td>
</tr>
<tr>
<td><strong>11:45</strong></td>
</tr>
<tr>
<td><strong>12:10</strong> Lunch</td>
</tr>
<tr>
<td><strong>12:45</strong></td>
</tr>
<tr>
<td><strong>13:15</strong></td>
</tr>
<tr>
<td><strong>13:30</strong></td>
</tr>
<tr>
<td><strong>13:55</strong></td>
</tr>
<tr>
<td><strong>14:20</strong></td>
</tr>
<tr>
<td><strong>14:45</strong></td>
</tr>
<tr>
<td><strong>15:10</strong> Break</td>
</tr>
<tr>
<td><strong>15:30</strong></td>
</tr>
<tr>
<td><strong>15:55</strong></td>
</tr>
<tr>
<td><strong>16:20</strong></td>
</tr>
<tr>
<td><strong>16:45</strong></td>
</tr>
<tr>
<td><strong>17:00</strong></td>
</tr>
</tbody>
</table>

Note: the abstract number indicates the specific day, location and order of the session (day – location – order).
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Abstract</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30</td>
<td>We STZ0 01 - Petrophysical and Acoustic Properties of Mechanically Compacted Shales - Evaluating Two Barents Sea Top Seal Sequences - M. Nooraipour* (University of Oslo) &amp; N.H. M molt (University of Oslo and Norwegian Geotechnical Inst)</td>
<td>We STZ1 01 - Irregular Spatial Sampling and Rank-reduction - Interpolation by Joint Low-rank and Sparse Inversion - R. Sternfeld* (CGG), A. Prescott (CGG), G. Pignot (CGG), L. Tian (CGG) &amp; D. Le Meur (CGG)</td>
</tr>
<tr>
<td>09:20</td>
<td>We STZ0 03 - Recovery of Transport and Geophysical Properties of Rock by Statistical Analysis of Microtomographic Images - Y. Bazakin (Institute of Mathematics SB RAS, Russia), B. Gurevich (Curtin University and CSIRO Energy, Australia), T. Khachkova* (Institute of Petroleum Geology &amp; Geophysics SB RAS), D.R. Kolyukhin (Institute of Petroleum Geology &amp; Geophysics SB RAS), M. Lebedev (Curtin University, Australia), V.V. Lisitsa (Institute of Petroleum Geology &amp; Geophysics SB RAS) &amp; V.A. Tcheverda (Institute of Petroleum Geology &amp; Geophysics SB RAS)</td>
<td>We STZ1 03 - Interpolation in Presence of Disturbed Energy via a Stolt Dictionary with Sparsity Constraints - A. Ibrahim (University of Alberta), P. Terenghi (PGS) &amp; M.D. Sacchi* (University of Alberta)</td>
</tr>
<tr>
<td>09:45</td>
<td>We STZ0 04 - Link between Systematic Deviation between First-break Velocity &amp; Phase Velocity and Heterogeneities in Rocks - N. Dubus-Sallée (IFP Energies Nouvelles), P.N.J. Rasolofoson* (IFP Energies Nouvelles), G. Etienne (IFP Energies Nouvelles), V. Poirineux (IFP Energies Nouvelles) &amp; E. Biemer (IFP Energies Nouvelles)</td>
<td>We STZ1 04 - Deterministically Subsampled Acquisition Geometries for Optimal Reconstruction - H. Jamali-Rad* (Shell Global Solutions International B.V.), B. Kuvishov (Shell Global Solutions International B.V.), Z. Tang (Shell Global Solutions International B.V.) &amp; X. Campman (Shell Global Solutions International B.V.)</td>
</tr>
<tr>
<td>10:10</td>
<td>Break</td>
<td>Break</td>
</tr>
<tr>
<td>10:30</td>
<td>We STZ0 05 - 3D Rock Physics Template for Anisotropic Formations - Application to the Study of Shale - M. Adelmat (IFP Energies Nouvelles) &amp; P.N.J. Rasolofoson* (IFP Energies Nouvelles)</td>
<td>We STZ1 05 - Data Reconstruction on Land Seismic Data using Paired Bunched Geophone Groups - W. Gamaal Edin (Schlumberger), D. Yenckai (Aspach), Z. Yan (Schlumberger) &amp; M.A. Schonewille* (Schlumberger)</td>
</tr>
<tr>
<td>10:55</td>
<td>We STZ0 06 - Experimental Rock Deformation under Micro-CT - Two New Apparatuses for Rock Physics - N. Tisato (University of Texas at Austin), G. Zhao (University of Toronto) &amp; B. Grasset* (University of Toronto)</td>
<td>We STZ1 06 - Iterative Reconstruction of 3D Seismic Data via Multiple Constraints - D. Zhang* (China University of Petroleum (Beijing)), Y. Chen (The University of Texas at Austin) &amp; S. Gao (China University of Petroleum (Beijing))</td>
</tr>
<tr>
<td>11:20</td>
<td>We STZ0 07 - An Acoustic Velocity Model for Heavy Oil Sand - X.H. Han (China University of Petroleum (East China)), F.B. Li (China University of Petroleum (East China)) &amp; E.F. Wu (China University of Petroleum (East China))</td>
<td>We STZ1 07 - Power of the Azimuth - How to Get the Most out of your Full Azimuth Survey - A. Poitrineau (IFP Energies Nouvelles), P. Vera De Newton (Rock Solid Images), W. Marin* (Rock Solid Images) &amp; P. Vera De Newton (Rock Solid Images)</td>
</tr>
<tr>
<td>11:45</td>
<td>We STZ0 08 - Model-based Estimation of Rock Strength from Seismic Velocity - T. Takahashi* (Fukada Geological Institute)</td>
<td>We STZ1 08 - Angle Gatherers and Images from Sparse OBN Data - P.C. Docherty* (FairfieldNodal) &amp; W.A. Schneider Jr. (FairfieldNodal)</td>
</tr>
<tr>
<td>12:10</td>
<td>Lunch</td>
<td>Lunch</td>
</tr>
<tr>
<td>13:30</td>
<td>We STZ0 09 - Diagnostics of Seismic Signatures of the Burial History of the Hoop Complex, Barents Sea - R. Tammerbakke* (University of Bergen), T.A. Johansen (University of Bergen) &amp; N.E. Bakke (University of Bergen)</td>
<td>We STZ1 09 - Modified Sparse Multichannel Blind Deconvolution - N. Kazemi* (University of Alberta), A. Ghodsi (University of Tehran) &amp; M.D. Sacchi (University of Alberta)</td>
</tr>
<tr>
<td>13:55</td>
<td>We STZ0 10 - New Technique for Rock Physics Prediction Based on the Seismic Interpretation - B. Luquet* (Eliis), T. Valding (Eliis), F. Cubizolle (Eliis) &amp; N. Daynac (Eliis)</td>
<td>We STZ1 10 - A Nonstationary Sparsity Deconvolution Method and Its Application - T. Peng (China University of Petroleum, Beijing) &amp; S.Z. Sun* (China University of Petroleum, Beijing)</td>
</tr>
<tr>
<td>14:20</td>
<td>We STZ0 11 - Hidden Secrets in the Destructive Interference Zone - AS Selnes* (Selnes Geoscience Consulting AS) &amp; D.F. Odd Fuglestad (Capricorn Norge AS)</td>
<td>We STZ1 11 - Sparsity Enhanced Wavelet Deconvolution - R. Ferber* (ETH Zuerich) &amp; E. Momoh (PGPD)</td>
</tr>
<tr>
<td>14:45</td>
<td>We STZ0 12 - Rock Physics Templates for Thin Sands Reservoirs - An Approach for Upscaled BRTs - W. Marin* (Rock Solid Images) &amp; P. Vera De Newton (Rock Solid Images)</td>
<td>We STZ1 12 - A Fast and Robust Sparse Time-invariant Radon Transform Based on 2D Alternating Split Bregman Algorithm - Y.G. Zhang (Tsinghua University), W.K. Lu (Tsinghua University) &amp; B. Wang* (Tsinghua University)</td>
</tr>
<tr>
<td>15:10</td>
<td>Break</td>
<td>Break</td>
</tr>
<tr>
<td>15:30</td>
<td>We STZ0 13 - Resistivity and Acoustic Impedance based Rock Physics Templates for Enhanced Well Placement and Reservoir Understanding - N. Tucovic* (Montanuniversitaet Leoben), A. Bartetzko (Baker Hughes), S. Wesling (Baker Hughes), J. Schoen (Montanuniversitaet Leoben) &amp; N. Gegenhuber (Montanuniversitaet Leoben)</td>
<td>We STZ1 13 - Inversion-based Directional Deconvolution to Remove the Effect of Geophone Array - G.F. Li (China University of Petroleum-Beijing), J.J. Wang* (China University of Petroleum-Beijing), H. Zheng (China University of Petroleum-Beijing), W. Huang (China University of Petroleum-Beijing), M. Ma (China University of Petroleum-Beijing) &amp; Y.M. Zhao (China University of Petroleum-Beijing)</td>
</tr>
<tr>
<td>15:55</td>
<td>We STZ0 14 - The Importance of Overburden Stress Path in Assessment of Stress Dependence for 4D Applications - R.M. Hol* (NTNU (Norwegian University of Science &amp;Technology)), A. Bauer (SINTEF Petroleum Research &amp; NTNU) &amp; A. Bakk (SINTEF Petroleum Research)</td>
<td>We STZ1 14 - Application of Variational Mode Decomposition in Random Noise Attenuation and Time-frequency Analysis of Seismic Data - W. Liu (China University of Petroleum - Beijing), S. Cao (China University of Petroleum - Beijing), Y. Chen (University of Texas at Austin) &amp; D. Zhang* (China University of Petroleum - Beijing)</td>
</tr>
<tr>
<td>16:20</td>
<td>We STZ0 15 - Experimental Determination of the Stress Sensitivity of Elastic Wave Dispersion in a Fluid-saturated Cracked Rock - J. Sarco* (CSIRO), E. Cazes (CSIRO), C. Delle Piane (CSIRO), A. Arena (CSIRO) &amp; L. Esteban (CSIRO)</td>
<td>We STZ1 15 - Compressed Sensing Based Sparse Pseudo-orthogonal Radon Transform - W.J. Yu (Tongji University), B. Feng* (Tongji University), H.Z. Wang (Tongji University) &amp; J.F. Yin (Tongji University)</td>
</tr>
<tr>
<td>16:45</td>
<td>We STZ0 16 - Probabilistic Comparison of Stress Dependent Rock Physics Models - D.A.C. Angus* (University of Leeds)</td>
<td>We STZ1 16 - Mixed-phase Wavelet Estimation by Cumulant Matching in One of Hydrocarbon Fields of Iran - E. Vosoughi* (Amirkabir University of Technology, Tehran, Iran), H. Karbalaei (Amirkabir University of Technology, Tehran, Iran) &amp; A. Javanher (Amirkabir University of Technology, Tehran, Iran)</td>
</tr>
</tbody>
</table>
### Stolz 2

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SOURCE ROCKS AND PETROLEUM SYSTEMS</strong> I</td>
<td></td>
</tr>
<tr>
<td>B.F. Wygrala (Schlumberger)</td>
<td></td>
</tr>
<tr>
<td><strong>SOURCE ROCKS AND PETROLEUM SYSTEMS</strong> II</td>
<td></td>
</tr>
<tr>
<td>B.F. Wygrala (Schlumberger)</td>
<td></td>
</tr>
</tbody>
</table>

### Strauss 1

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EXECUTIVE SESSION ON 'THE BLACK SEA - REGIONAL FOCUS'</strong></td>
<td></td>
</tr>
<tr>
<td>J.J. Martin Bailon (REPSOL)</td>
<td>G. Tari (OMV Upstream)</td>
</tr>
</tbody>
</table>

### Microseismic Event Detection and Analysis

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SOURCE ROCKS AND PETROLEUM SYSTEMS</strong> I</td>
<td></td>
</tr>
<tr>
<td>B.F. Wygrala (Schlumberger)</td>
<td></td>
</tr>
<tr>
<td><strong>SOURCE ROCKS AND PETROLEUM SYSTEMS</strong> II</td>
<td></td>
</tr>
<tr>
<td>B.F. Wygrala (Schlumberger)</td>
<td></td>
</tr>
</tbody>
</table>

### Rift Systems and Passive Margins Tectonics and Sedimentation

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SOURCE ROCKS AND PETROLEUM SYSTEMS</strong> I</td>
<td></td>
</tr>
<tr>
<td>B.F. Wygrala (Schlumberger)</td>
<td></td>
</tr>
<tr>
<td><strong>SOURCE ROCKS AND PETROLEUM SYSTEMS</strong> II</td>
<td></td>
</tr>
<tr>
<td>B.F. Wygrala (Schlumberger)</td>
<td></td>
</tr>
<tr>
<td>e-Posters 1</td>
<td>e-Posters 2</td>
</tr>
<tr>
<td>------------</td>
<td>-------------</td>
</tr>
<tr>
<td><strong>BROADBAND ACQUISITION AND PROCESSING</strong>&lt;br&gt;J.J.P. Postel (Serco) &amp; R.G. Williams (Dolphin Geophysical Limited)</td>
<td><strong>SEISMIC RESERVOIR CHARACTERIZATION (A) - CASE STUDIES</strong>&lt;br&gt;T. Cadoret (Total)</td>
</tr>
<tr>
<td><strong>e-Poster presentations Wednesday 1 June</strong></td>
<td><strong>Note: the abstract number indicates the specific day, location and order of the session (day – location – order).</strong></td>
</tr>
<tr>
<td><strong>We P1 01 - Nonlinear Deghosting Based on the T-matrix Method - B.F. Wang</strong>&lt;br&gt;(Tsinghua University/CUPB), R.S. Wu (University of California, Santa Cruz), X.H. Chen (China University of Petroleum, Beijing), W.K. Lu (Tsinghua University) &amp; G.C. Liu (China University of Petroleum, Beijing)</td>
<td><strong>We P2 01 - Seismic Stochastic Inversion Based on the Lateral Constraint</strong>&lt;br&gt;- C.J. Liu*&lt;br&gt;(China University of Petroleum (East China)), X.Y. Yin (China university of Petroleum (East China)) &amp; B.L. Wang (China university of Petroleum (East China))</td>
</tr>
<tr>
<td><strong>We P1 02 - Statistical Source- and Receiver-side Deghosting - M.S. Denisov</strong>&lt;br&gt;(GeoLab) &amp; A.E. Firsov (GeoLab)</td>
<td><strong>We P2 02 - Detection and Stochastic Modeling of Sand Bodies - A. Sharma</strong>&lt;br&gt;(Schlumberger) &amp; L. Schulte (Schlumberger)</td>
</tr>
<tr>
<td><strong>We P1 03 - Deghosting for Seismic Data Recorded with Arbitrary Streamer Geometry</strong>&lt;br&gt;- A.A. Egorov*&lt;br&gt;(GeoLAB) &amp; M.S. Denisov (GeoLAB)</td>
<td><strong>We P2 03 - Probabilistic Mechanical Stratigraphy from Seismic Inversion - A Case Study from the Vaca Muerta Shale, Argentina</strong>&lt;br&gt;- J. Fernandez-Concheso*&lt;br&gt;(Colorado School of Mines) &amp; T.L. Davis (Colorado School of Mines)</td>
</tr>
<tr>
<td><strong>We P1 04 - An Experimental Research of Multi-level Argon Array - Z. Liu</strong>&lt;br&gt;(BGP Marine, CNPC), Y.H. Quan (BGP Marine, CNPC), M.X. Lu (BGP Marine, CNPC), X.B. Wei (BGP Marine, CNPC) &amp; Z.H. Xu (BGP Marine, CNPC)</td>
<td><strong>We P2 04 - Rock Property Volume Estimation Using the Multi-attribute Rotation Scheme (MARS)</strong>&lt;br&gt;- Case Study in the South Falkland Basin - P.K. Alvarez*&lt;br&gt;(Rock Solid Images), B. Farrer (Borders &amp; Southern Petroleum), M. Suda (Rock Solid Images) &amp; D. Suyetani (Rock Solid Images)</td>
</tr>
<tr>
<td><strong>10:10 Break</strong></td>
<td><strong>10:10 Break</strong></td>
</tr>
<tr>
<td><strong>FULL WAVEFORM INVERSION (B)</strong>&lt;br&gt;- Z. Wu (King Abdullah University of Science &amp; Technology) &amp; V. Li (Colorado School of Mines)</td>
<td><strong>10:30 Lunch</strong></td>
</tr>
<tr>
<td><strong>We P1 05 - Frequency-domain Waveform Inversion with Irregular Surface Based on Variable Grid Finite Difference Method - Y. Li</strong>&lt;br&gt;(China University of Petroleum), Z. Li (China University of Petroleum) &amp; K. Zhang (China University of Petroleum)</td>
<td><strong>We P2 05 - Geostatistical Seismic Inversion Integrating Rock Physics Models</strong>&lt;br&gt;- C. Amaro*&lt;br&gt;(CERENA/Instituto Superior Técnico), D. Grana (University of Wyoming), L. Azevedo (Instituto Superior Tecnico) &amp; A. Soares (CERENA/Instituto Superior Tecnico)</td>
</tr>
<tr>
<td>*<em>We P1 06 - Initial Velocity Model for Full Waveform Inversion Using Dip Move-out Correction and Velocity Analysis - E. Jamal Handori</em>&lt;br&gt;(UGI, Inc.), H. Mikada (Kyoto University), E. Asakawa (JGI, Inc.) &amp; S. Mizohata (JGI, Inc.)</td>
<td>*<em>We P2 06 - Fracture Study Using Seismic Attributes, Simulated Petrophysical Properties and Geological Setting of the Study Area - K. Nayazfahleh</em>&lt;br&gt;(Dana Energy), A. Ilani (Dana Energy) &amp; Y. Moradi Chaleshtori (Dana Energy)</td>
</tr>
<tr>
<td><strong>We P1 07 - A Hierarchical Parameterization for Elastic Orthorhombic Anisotropic Parameter Inversion - J.W. Oh</strong>&lt;br&gt;(King Abdullah University of Science &amp; Technology) &amp; T. Alkhalifah (King Abdullah University of Science &amp; Technology)</td>
<td>*<em>We P2 11 - Seismic Coherence in the Presence of Residual Trace-to-trace Time Delay Variations - I. Mendis</em>&lt;br&gt;(National Mining University), V. Tyapkyn (consultant) &amp; V. Vasilkovskiy (Institute of Physics Mining Processes)</td>
</tr>
<tr>
<td>*<em>We P1 08 - Mitigating Non-linearity in Full Waveform Inversion by Scaled Sobolev Pre-conditioning - M.A.H. Zuberi</em>&lt;br&gt;(University of Western Ontario) &amp; R.G. Pratt (University of Western Ontario)</td>
<td><strong>We P2 12 - Seismic Response of Weak Reflector Based on a Seismic Physical Model - W. Chen</strong>&lt;br&gt;(Yangtze University) &amp; Y.K. Chen (The University of Texas at Austin)</td>
</tr>
<tr>
<td><strong>12:10 Lunch</strong></td>
<td><strong>12:10 Lunch</strong></td>
</tr>
<tr>
<td><strong>FULL WAVEFORM INVERSION (C)</strong>&lt;br&gt;- Y. Chai (King Abdullah University of Science &amp; Technology) &amp; C.A. Perez Solana (Shell Global Solutions International BV)</td>
<td><strong>SEISMIC ATTRIBUTES (A)</strong>&lt;br&gt;- R. Gras (Oranje-Nassau Energie B.V.) &amp; A. Sharma (Schlumberger)</td>
</tr>
<tr>
<td><strong>We P1 09 - Elastic Multi-parameter FWI Based on the Truncated Gauss-Newton Method Using an Improved Scattering-integral Algorithm - M.A. Sun</strong>&lt;br&gt;(Tongji University), L.G. Dong (Tongji University), Y.Z. Lu (Tongji University) &amp; J.Z. Yang (Tongji University)</td>
<td><strong>We P2 09 - Perceptual and Non-perceptual Similarity Measures for Salt Dome Delineation - M. A. Shafie</strong>&lt;br&gt;(Georgia Institute of Technology) &amp; G. Allregi (Georgia Institute of Technology)</td>
</tr>
<tr>
<td><strong>We P1 10 - Individual and Joint 2-D Elastic Full Waveform Inversion of Rayleigh and Love Waves - F. Wittkamp</strong>&lt;br&gt;(Karlsruhe Institute of Technology) &amp; T. Böhlen (Karlsruhe Institute of Technology)</td>
<td><strong>We P2 10 - Multi-trace Complex-valued Correlation with Dip Scanning - B.P. Yan</strong>&lt;br&gt;(China University of Petroleum-Beijing), S.X. Wang (China University of Petroleum-Beijing), S.Y. Yuan (China University of Petroleum-Beijing), C.H. Dong (China University of Petroleum-Beijing) &amp; T.Y. Wang (China University of Petroleum-Beijing)</td>
</tr>
<tr>
<td>*<em>We P1 11 - Scattering Potential of Acoustic Orthorhombic Parametrization - An Inversion Prospective - N. Masmoudi</em>&lt;br&gt;(KAUST) &amp; T. Alkhalifah (KAUST)</td>
<td><strong>We P2 11 - Seismic Coherence in the Presence of Residual Trace-to-trace Time Delay Variations - I. Mendis</strong>&lt;br&gt;(National Mining University), V. Tyapkyn (consultant) &amp; V. Vasilkovskiy (Institute of Physics Mining Processes)</td>
</tr>
<tr>
<td><strong>We P1 12 - Localised Time-lapse 3D Elastic Full Waveform Inversion Using Finite-difference Inversion and Wavefield Extrapolation - S. Yuan</strong>&lt;br&gt;(Institut de Physique du Globe de Paris (IPGP)), N. Fuji (IPPG), D. Borisov (Princeton University) &amp; S. Singh (IPGP)</td>
<td><strong>We P2 12 - Seismic Response of Weak Reflector Based on a Seismic Physical Model - W. Chen</strong>&lt;br&gt;(Yangtze University) &amp; Y.K. Chen (The University of Texas at Austin)</td>
</tr>
<tr>
<td><strong>15:00 Break</strong></td>
<td><strong>15:00 Break</strong></td>
</tr>
<tr>
<td><strong>We P1 13 - Viscoelastic Full Waveform Inversion of Sea Bottom Long Offset Seismic Data in Presence of Attenuation - T. Belahi</strong>&lt;br&gt;(Institut de Physique du Globe de Paris (IPGP)), S.C. Singh (Institut de Physique du Globe de Paris (IPGP)) &amp; N. Fuji (Institut de Physique du Globe de Paris (IPGP))</td>
<td><strong>We P2 13 - Self-adaptive Multi-scaled Morphology for Weak Signal Detection of Thin Interbedded Reservoir - Y. Yuan</strong>&lt;br&gt;(China University of Petroleum-Beijing), R. Wang (China University of Petroleum-Beijing), W. Huang (China University of Petroleum-Beijing), X. Chen (China University of Petroleum-Beijing), Y. Zhou (China University of Petroleum-Beijing) &amp; Y. Jiang (China University of Petroleum-Beijing)</td>
</tr>
<tr>
<td><strong>We P1 14 - Modified Boundary Conditions for Elastic Inversion of Active Land Seismic Data in VTI Media - W. He</strong>&lt;br&gt;(Institut de Physique du Globe de Paris (IPGP)), R. Pleissix (SHELL) &amp; S. Singh (IPGP)</td>
<td>*<em>We P2 14 - Seismic Signature of the Silurian deposits within the Baltic Basin - A. Kweitiakia</em>&lt;br&gt;(AGH - University of Science and Technology) &amp; T. Mackowski (AGH - University of Science and Technology)</td>
</tr>
<tr>
<td>*<em>We P1 15 - Weighted Objective Functions in Frequency-domain Elastic Full Waveform Inversion Using the Gauss-Neuven - G. Jeong (Seoul National University), J.Y. Heo</em>&lt;br&gt;(Seoul National University) &amp; D.J. Min (Seoul National University)</td>
<td><strong>We P2 15 - A Modified Eigenvalue-based Coherence Algorithm with Analytic Traces - B.P. Yan</strong>&lt;br&gt;(China University of Petroleum-Beijing), S.X. Wang (China University of Petroleum-Beijing), S.Y. Yuan (China University of Petroleum-Beijing), L. Wang (China United Coalbed Methane Corporation, Ltd) &amp; C.H. Dong (China University of Petroleum-Beijing)</td>
</tr>
<tr>
<td>*<em>We P1 16 - Importance of the Source Estimation in FWI - Sensitivity and Examples - L.V. Skopintseva</em>&lt;br&gt;(Statoil ASA), F.A. Masa (Statoil ASA) &amp; B. Pedersen (Statoil ASA)</td>
<td>*<em>We P2 16 - Seismic Attenuation of Gas Hydrate-bearing Sediments from Bottom Simulating Reflector and Mass Transport Deposit - R.W. Zhang (China University of Petroleum (Beijing)), H.G. Li (China University of Petroleum (Beijing)), Y.Z. Ji (China University of Petroleum (Beijing)), B.J. Zhang</em> (Guangzhou Marine Geological Survey) &amp; Z.Y. Yang (Guangzhou Marine Geological Survey)</td>
</tr>
<tr>
<td>Time</td>
<td>Session 1</td>
</tr>
<tr>
<td>--------</td>
<td>-----------</td>
</tr>
<tr>
<td>08:30</td>
<td>We P3 01</td>
</tr>
<tr>
<td>08:55</td>
<td>We P3 02</td>
</tr>
<tr>
<td>09:20</td>
<td>We P3 03</td>
</tr>
<tr>
<td>09:45</td>
<td>We P3 04</td>
</tr>
<tr>
<td>10:10</td>
<td>Break</td>
</tr>
<tr>
<td>10:30</td>
<td>We P3 05</td>
</tr>
<tr>
<td>10:55</td>
<td>We P3 06</td>
</tr>
<tr>
<td>11:20</td>
<td>We P3 07</td>
</tr>
<tr>
<td>11:45</td>
<td>We P3 08</td>
</tr>
<tr>
<td>12:10</td>
<td>Lunch</td>
</tr>
<tr>
<td>13:30</td>
<td>We P3 09</td>
</tr>
<tr>
<td>13:55</td>
<td>We P3 10</td>
</tr>
<tr>
<td>14:20</td>
<td>We P3 11</td>
</tr>
<tr>
<td>14:45</td>
<td>We P3 12</td>
</tr>
<tr>
<td>15:10</td>
<td>Break</td>
</tr>
<tr>
<td>15:30</td>
<td>We P3 13</td>
</tr>
<tr>
<td>15:55</td>
<td>We P3 14</td>
</tr>
<tr>
<td>16:20</td>
<td></td>
</tr>
<tr>
<td>16:45</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** The abstract number indicates the specific day, location and order of the session (day – location – order).
# e-Poster Presentations Wednesday 1 June

<table>
<thead>
<tr>
<th>e-Posters 5</th>
<th>e-Posters 6</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PETROPHYSICS - CORES AND DIGITAL ROCKS</strong>&lt;br&gt;M. Pervukhina (CSRIO Earth Science and Resource Engineering)</td>
<td><strong>CO2 SEQUESTRATION AND STORAGE</strong>&lt;br&gt;K. Shogenov (Tallinn University of Technology)</td>
</tr>
<tr>
<td>08:55 We P5 02 - Comparison of Nuclear Magnetic Resonance and Mercury Injection Capillary Pressure in Characterization of Shale Pore Size - D. Xie (China University of Petroleum Beijing), B.R. Di (China University of Petroleum Beijing), J.X. Wei (China University of Petroleum Beijing), R. Zhang (China University of Petroleum Beijing) &amp; D. Li* (China University of Petroleum Beijing / retired)</td>
<td>We P6 02 - Synergy between Carbon Dioxide Storage and Incremental Oil Recovery - G. Wang* (Heriot Watt University), G. Pickup (Heriot Watt University) &amp; E. Mackay (Heriot Watt University)</td>
</tr>
<tr>
<td>09:20 We P5 03 - The Pore Throat - A Pore Level Insight and Identification - S. O. Kwelle* (University of Edinburgh) &amp; X. Fan (University of Edinburgh)</td>
<td>We P6 03 - Experimental Study on the Interfacial Tensions of CO2-water Binary Mixture for CO2 Storage Safety - D. Li (China University of Petroleum (East China)), B. Ren (The University of Texas at Austin), L. Zhang (China University of Petroleum (East China)), Z. Yin* (Heriot-Watt University) &amp; S. Ren (China University of Petroleum (East China))</td>
</tr>
<tr>
<td>09:45 We P5 04 - Joint Interpretation of Core Samples and Well Logs to Define Lithological Contacts in Caparana Mine - MG, Brazil - L. Fonseca (Vale &amp; UFOP) &amp; A.A. Carrasquilla* (UENF &amp; UFOP)</td>
<td>We P6 04 - Numerical and Optimisation Studies of CO2 Dissolution and Trapping Efficiency in Saline Aquifers - P.O. Ezeanyim (Covendy University) &amp; S.M. Shariatipour* (Covendy University)</td>
</tr>
<tr>
<td>10:10 Break</td>
<td>Break</td>
</tr>
<tr>
<td>10:30 We P5 05 - A Staged Filtering Approach to Kill Curtain Noise in FIB-SEM Images - S. Liu* (China University of Petroleum - Beijing), L. Sun (China University of Petroleum - Beijing) &amp; F. Xiao (China University of Petroleum - Beijing)</td>
<td>We P6 05 - CO2 Plasma Firing - A Clean Technology for EOR &amp; CO2 Sequestration - D. Pandey* (University of Petroleum &amp; Energy Studies)</td>
</tr>
<tr>
<td>11:20 We P5 07 - Impacts of Spatial Distribution of Pore Fluids and Heat Flow Direction on Effective Thermal Conductivity of Rocks - S.M. Alavi* (University of Petroleum Technology (PUT)) &amp; A. Aryanzadeh (Petroleum University of Technology)</td>
<td>We P6 07 - Numerical Investigation of the Anisotropy Role on Carbon Dioxide Dissolution Enhancement in Saline Aquifers - M. Pasdar* (Research Institute of Petroleum Industry (RIPPI)), S.M. Seyyedi Nasosoh Abad (Heriot-Watt University) &amp; M. Shyesadeemir (Petroleum University of Technology)</td>
</tr>
<tr>
<td>11:45</td>
<td>We P6 08 - Feasibility Study of Algae Based Carbon Capture in Tous Power Plant - A. Dairi Barak Ola* (Sharif University of Technology) &amp; S. Fatollahi Quad (Ferdowsi University of Mashhad)</td>
</tr>
<tr>
<td>12:10 Lunch</td>
<td>Lunch</td>
</tr>
<tr>
<td>13:30 We P5 09 - Chimney Atlas to Quantify Top Seal and Charge Risk - Case Study from Mzai Oil Field, Taranaki Basin, New Zealand - D. Connolly* (dGB Earth Sciences) &amp; P. de Groot (G Gas Earth Sciences)</td>
<td>We P6 09 - Integration of Pressure Transient Data into Reservoir Models Using the Fast Marching Method - C. Li (Texas A&amp;M University) &amp; M. King* (Texas A&amp;M University)</td>
</tr>
<tr>
<td>13:55 We P5 10 - Broadband Imaging at a Fault Bound Basin - Case History of the Pli 566 Pli Discovery and Boomerang Prospect, 2012-2015 - A. Pavlov (ION), V. Valler (ION), A. Soktarov (VNG Norge), A. Kovish (ION), E. Egeland (VNG Norge) &amp; P. Smith (ION)</td>
<td>We P6 10 - Investigation of CO2 Enhanced Gas Recovery in Shale Plays - K. Zhang (University of Calgary), G. Liu (University of Calgary), M. Wang (University of Calgary), B. Kong* (University of Calgary), J. Liu (University of Calgary), K. Wu (University of Calgary), S. Chen (University of Calgary) &amp; Z. Chen (University of Calgary)</td>
</tr>
<tr>
<td>14:45 We P5 12 - Eastern Pannonian Basin Analysis of Geothermal Behaviour by Integrated Geophysical Information - I. Panas* (University of Bucharest) &amp; V. Moscan (University of Bucharest)</td>
<td>We P6 12 - Biodegradation of Hydrocarbons as a Mechanism of Microbial Enhanced Oil Recovery - C.C. Uzukwu* (University of Aberdeen) &amp; D. Dionisi (University of Aberdeen)</td>
</tr>
<tr>
<td>15:10 Break</td>
<td>Break</td>
</tr>
<tr>
<td>15:30 We P5 13 - Making Advances to Enhance Production from the Barents Sea Discoveries - H. Karimaie (FirstGeo), S. Pourmohammadi (First Geo), H.H. Nyronning (First Geo) &amp; A. Jahanbani* (NTNU)</td>
<td>We P6 13 - Modeling of Foamy-oil Flow in Solvent-based Recovery Processes - X. Jia* (University of Calgary), J. Li (University of Regina), Z. Chen (University of Calgary), Y. Gu (University of Regina) &amp; F. Zeng (University of Regina)</td>
</tr>
<tr>
<td>15:55 We P5 14 - From Enigmatic Source to Complex Stratigraphic Traps - Unlocking Tanzania’s Hydrocarbon Potential - J. Nicholson* (BG Group plc) &amp; N.J. Sayers (BG Group plc)</td>
<td>We P6 14 - Real Gas Transport through Complex Nanopores of Shale Gas Reservoirs - K. Wu* (University of Calgary) &amp; Z.I. Chen (University of Calgary)</td>
</tr>
<tr>
<td>16:20 We P5 15 - Multi-scale Integration of 4D Seismic and Simulation Data to Improve Saturation Estimations - B.G. Correa (State University of Campinas), A. Davolio* (State University of Campinas) &amp; D.J. Schiozer (State University of Campinas)</td>
<td>We P6 15 - Evaluation of Pressure Transient Data into Reservoir Models Using the Fast Marching Method - C. Li (Texas A&amp;M University) &amp; M. King* (Texas A&amp;M University)</td>
</tr>
</tbody>
</table>
### e-Posters 7

**ELECTROMAGNETIC METHODS (A)**

**We P7 01** - Analysis of Relationship of DNME Polarization Parameters with Reservoir Properties - S. Hallinan (CGG)

08:30

**We P7 02** - Leveling Time-domain-airborne Electromagnetic Data Using Constrained Polynomial Fitting - K. Zhu (Jilin University), Q. Zhang* (Jilin University), Y. Meng (Jilin University), Y. Li (Jilin University), Y. Cheng (Jilin University), C. Jiang (Jilin University), M. Dou (Jilin University) & J. Li (Jilin University)

08:55

**We P7 03** - 3D Anisotropic Inversion for ATEM Data - Y. Liu* (Jilin University), C. Yin (Jilin University), B. Zhang (Jilin University) & J. Cai (Jilin University)

09:20

**We P7 04** - Practical Aspects in mCSEM Migration - A. Gola (Politecnico di Milano) & G. Bernasconi* (Politecnico di Milano)

09:45

**We P7 05** - The Magnetotelluric Amplitude Tensor as Compliment to the Phase Tensor for Mapping, Inversion and Distortion Analysis - M. Neukirch (CSIC - Institute of Marine Sciences), D. Rudolf (Mathematisches Institut, University of Jena) & X. Garcia* (CSIC - Institute of Marine Sciences)

10:10

**We P7 06** - Optimized Synthetic Aperture for Enhancing the Detectability of Hydrocarbon in MCEM - X. Wang* (China University of Petroleum-Beijing) & J.S. Shen (China University of Petroleum-Beijing)

10:55

**We P7 07** - Three-dimensional Marine CSEM Forward Modelling in the Flemish Pass Basin Using Realistic Unstructured Meshes - M.W. Dunham* (Memorial University of Newfoundland), S. Ansari (Memorial University of Newfoundland) & C.G. Farquharson (Memorial University of Newfoundland)

11:20

**We P7 08** - 3D CSAMT Modelling with Topography - C. Yin (Jilin University), B. Zhang* (Jilin University), Y. Liu (Jilin University), J. Cai (Jilin University) & C. Wang (Jilin University)

11:45

**We P7 09** - Are PSDM Depth Interpretations Reliable? - L. Sandjivy* (SeisQuaRe), A. SHTUKA (Seisquare) & M. COLLET (Seisquare)

13:30

**We P7 10** - Sonic Log Based Velocity Optimization with Perforation Shots in Unconventional Oil and Gas Field - N. Shimoda* (Free University of Berlin), A. Reshetnikov (Free University of Berlin) & S. Shapiro (Free University of Berlin)

13:55

**We P7 11** - A Workflow to Quantify Velocity Model Uncertainty - A.C. Bell (PGS), R. Lorenzo (PGS), T. Martin (PGS), D. van der Berg (PGS) & B.P. Caselitz* (PGS)

14:20

**We P7 12** - Lunch

**WE P7 13** - Using Chronostratigraphic Correlation to Improve the Water Injection Process - Case Study Strandm, Romania - F Ulmeanu Enea* (OMV Petrom), M. Grigoras (OMV Petrom), I. Ivan (OMV Petrom), A.M. Martinezcu (OMV Petrom) & V. Priescu (OMV Petrom)

15:30

**We P7 14** - Reservoir Characterization and Development Optimization for a Super-giant Carbonate Reservoir - C. Wei* (PetroChina), Y. Li (PetroChina), Q. Zhang (PetroChina) & J. Zheng (PetroChina)

15:55

**We P7 15** - Integrated Subsurface Description of Complex Esturarine and Deltaic Reservoir in the Wora Formation, Burgan Field, Kuwait - B. Al-Enazi* (Kuwait Oil Company), M. Al-Naqi (Kuwait Oil Company), A. Bowman (BP), M. Wells (BP) & F. Maraj (BP)

16:20
### Student e-Poster presentations Wednesday 1 June

#### ELECTROMAGNETIC AND POTENTIAL FIELD MEASURMENTS

**Student e-Posters 1**

<table>
<thead>
<tr>
<th>Time</th>
<th>Abstract</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30</td>
<td>We SP1 01 - Tectonic Subsidence, Crustal Structure and Flexure of the Riffed Continental Margin of North West Australia - S.L. Evans* (Imperial College London)</td>
</tr>
<tr>
<td>08:55</td>
<td>We SP1 02 - Characterizing Geothermal Systems in Iceland with Magnetotellurics - N.V. Vinard* (ETH Zurich)</td>
</tr>
<tr>
<td>09:20</td>
<td>We SP1 03 - Magnetotelluric Ore Exploration near Iratá, NE Hungary - E. Nadaszi* (University of Miskolc), A. Madaraszi (Geological and Geophysical Institute of Hungary), E. Turai (University of Miskolc) &amp; M. Szilvasi (University of Miskolc)</td>
</tr>
<tr>
<td>09:45</td>
<td>We SP1 04 - Depth Estimation Using Normalized Downward Continuation of Magnetic Field Data - S. Zhou (Jilin University), X.H. Gao (Jilin university), T.H. Wang (Jilin university) &amp; Y.F. Qi* (Jilin university)</td>
</tr>
</tbody>
</table>

#### PETROPHYSICS, FACIES MODELLING AND GEOMECHANICS

**Student e-Posters 2**

<table>
<thead>
<tr>
<th>Time</th>
<th>Abstract</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30</td>
<td>We SP2 01 - Shear Weakening for Different Lithologies Observed at Different Saturation Stages - E. Diethart* (Montanuniversitat Leoben) &amp; N. Gegenhuber (Montanuniversitat Leoben)</td>
</tr>
<tr>
<td>08:55</td>
<td>We SP2 02 - Characterization of the Pore Space of the Carboniferous Gas-bearing Deposits in the P-29 Well (Western Poland) - A. Petrucha* (AGH University of Science and Technology), G. Machowska (AGH University of Science and Technology) &amp; A. Krzyzak (AGH University of Science and Technology)</td>
</tr>
<tr>
<td>09:20</td>
<td>We SP2 03 - Sulphate-induced Pore size Reduction in Permian Reef, SW Poland in the Scope of Nuclear Magnetic Resonance Studies - A. Fheed* (AGH University of Science and Technology), A. Swierczewska (AGH University of Science and Technology) &amp; A.T. Krzyzak (AGH University of Science and Technology)</td>
</tr>
<tr>
<td>09:45</td>
<td>We SP2 04 - Quality and Consistency Check, and PVT Data Tuning Simulation Approach - Case Study of Gas Field - R. Susanta* (Ghent University of Technology)</td>
</tr>
</tbody>
</table>

#### Lunch

**Break**

<table>
<thead>
<tr>
<th>Time</th>
<th>Abstract</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:10</td>
<td>Break</td>
</tr>
</tbody>
</table>

#### ROCK PHYSICS, SEISMIC INVERSION AND RESERVOIR CHARACTERIZATION

**Student e-Posters 1**

<table>
<thead>
<tr>
<th>Time</th>
<th>Abstract</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:30</td>
<td>We SP1 05 - Non-smooth Inversion of Non-linear Gravity Problem by Means of Particle Swarm Optimization - A. Jamasb* (University of Tehran) &amp; S.H. Motavalli-Anbaran (University of Tehran)</td>
</tr>
<tr>
<td>13:55</td>
<td>We SP1 10 - Fracture Modelling Guided by Seismic Attributes, Teapot Dome, Wyoming - D. Kendacina* (University of Stavanger), N. Cardozo (University of Stavanger) &amp; L. Schulte (Schlumberger Norge AS)</td>
</tr>
<tr>
<td>14:20</td>
<td>We SP1 11 - Inversion of Reflected Travel Time Curve Using a Continuous Genetic Algorithm - T. Rajiuram* (Indian School of Mines) &amp; S.K. Pal (Indian School of Mines)</td>
</tr>
<tr>
<td>14:45</td>
<td>We SP1 12 - Application of Iterative Particle Swarm Optimization for Reflected Wave Travel Time Inversion - S. Kumar* (Indian School of Mines), A. Agarwal (Indian School of Mines) &amp; S. Srivastava (Indian School of Mines)</td>
</tr>
</tbody>
</table>

#### NEAR SURFACE, WATER RESOURCES AND CO2 SEQUESTRATION

**Student e-Posters 2**

<table>
<thead>
<tr>
<th>Time</th>
<th>Abstract</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:30</td>
<td>We SP2 05 - Multiple Point Statistics Facies Modelling of a Complex Submarine Fan System - F. Yunus* (University of Stavanger), L. Schulte (Schlumberger) &amp; C. Townsend (University of Stavanger)</td>
</tr>
<tr>
<td>13:55</td>
<td>We SP2 06 - Integrated Flow Simulation, Rock Physics &amp; Geomechanics Identifies CO2-EDR and Storage Potential at Ansgeslof, India - S.S. Gangul* (National Geophysical Research Institute), V.P. Dimri (National Geophysical Research Institute) &amp; N. Vedanti (National Geophysical Research Institute)</td>
</tr>
<tr>
<td>14:20</td>
<td>We SP2 11 - Ice Thickness and Volume Estimates of Drang-Drag Glacier Using Remote Sensing - S. Bhushan* (Indian School of Mines), T.H. Syed (Indian School of Mines) &amp; H. Gupta (Indian School of Mines)</td>
</tr>
<tr>
<td>14:45</td>
<td>We SP2 12 - Application of Early Arrival Waveform Inversion to Oademah Shallow Land Data - G.F. Xue* (Chinese Academy of Sciences), S.M. Hanayi (King Abdullah University of Science and Technology), Y.K. Zheng (Chinese Academy of Sciences) &amp; Y.B. Wang (Chinese Academy of Sciences)</td>
</tr>
</tbody>
</table>

#### Lunch

**Break**

<table>
<thead>
<tr>
<th>Time</th>
<th>Abstract</th>
</tr>
</thead>
<tbody>
<tr>
<td>15:10</td>
<td>Break</td>
</tr>
</tbody>
</table>

#### Shear Weakening for Different Lithologies Observed at Different Saturation Stages

**Student e-Posters 1**

<table>
<thead>
<tr>
<th>Time</th>
<th>Abstract</th>
</tr>
</thead>
<tbody>
<tr>
<td>15:30</td>
<td>We SP1 13 - Fracture Evaluation Using Crossing Dipole Acoustic Logging Data in Horizontal Well - Q. Ye* (China University of Petroleum) &amp; B. Wang (China University of Petroleum)</td>
</tr>
</tbody>
</table>

#### Seismicity Using Pore-fluid Pressure and Poroelastic Stress Modelling - Application to Unterhaching Geothermal Reservoir

**Student e-Posters 2**

<table>
<thead>
<tr>
<th>Time</th>
<th>Abstract</th>
</tr>
</thead>
<tbody>
<tr>
<td>15:30</td>
<td>We SP2 09 - Seismicity Using Pore-fluid Pressure and Poroelastic Stress Modelling - Application to Unterhaching Geothermal Reservoir - N. Kilic* (Freie Universitat Berlin), C. Dinske (Freie Universitat Berlin) &amp; G.O. Krueger (Freie Universitat Berlin)</td>
</tr>
</tbody>
</table>

#### Hydraulic Fracturing - S. Sharma* (Indian Institute of Technology), A. Chaudhary (Indian Institute of Technology) & R.R. Nair (Indian Institute of Technology)

### Additional Notes

- The abstract number indicates the specific day, location and order of the session (day – location – order).
- Note: the abstract number indicates the specific day, location and order of the session (day – location – order).
- Student e-Poster presentations Wednesday 1 June
<table>
<thead>
<tr>
<th>Oral presentations Thursday 2 June</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Lehar 1</strong></td>
</tr>
<tr>
<td><strong>INNOVATION IN POTENTIAL FIELDS METHODS</strong></td>
</tr>
<tr>
<td>G.R.J. Cooper (University of the Witwatersrand)</td>
</tr>
<tr>
<td><strong>08:30</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>10:10</td>
</tr>
<tr>
<td>10:30</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>10:55</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>11:20</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>11:45</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>12:10</td>
</tr>
<tr>
<td><strong>ELECTROMAGNETIC METHODS III - MODELLING AND MEASUREMENT</strong></td>
</tr>
<tr>
<td>S.I. Heilig (PetroleumMarker AS) &amp; N. Cuevas (Schlumberger Geosolutions)</td>
</tr>
<tr>
<td><strong>13:30</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>13:55</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>14:20</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>14:45</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>15:10</td>
</tr>
<tr>
<td><strong>15:30</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>15:55</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>16:20</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>16:45</strong></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>
Oral presentations Thursday 2 June

Note: the abstract number indicates the specific day, location and order of the session (day – location – order).

**SEISMIC ATTRIBUTES I**

L. Aleotti (Eni S.p.A. E&P) & K. Gutiérrez (Wintershall Holding GmbH)

8:00

8:45
Th LHR3 02 - A Generalized Tensor-based Coherence Attribute - Y.K. Alusah* (*Geoscience Institute of Technology) & G.I. AlRegib (*Geoscience Institute of Technology)

9:30
Th LHR3 03 - Hybrid Stratiographic Seismic Attribute for Multi-purposes - F.J. Pivovat* (Total), G. Dupuy (Total) & R. Lencreret (Total)

10:15

10:30
Th LHR3 05 - A Hybrid Approach for Salt Dome Delineation within Migrated Seismic Volumes - M. A. Shafii* (*Geoscience Institute of Technology), Y. Alusah* (*Geoscience Institute of Technology) & G. I. AlRegib (*Geoscience Institute of Technology)

11:15
Th LHR3 06 - Seismic Time-frequency Analysis Using Bi-Gaussian S Transform - Z. Cheng (University of Southern California), Y. Chen (University of Texas at Austin), Y. Liu (*China University of Petroleum – Beijing), W. Liu (*China University of Petroleum – Beijing), G. Zhang (*China University of Petroleum – Beijing), H. Li (*SINOPEC Exploration and Production Research Institute) & W. Chen* (Yangtze University)

12:00
Th LHR3 07 - Seismic Time-frequency Analysis Using Improved Complete Ensemble Empirical Mode Decomposition - Y. Chen (University of Texas at Austin), W. Liu (*China University of Petroleum – Beijing), G. Zhang (*China University of Petroleum – Beijing), Z. Cheng (University of Southern California) & W. Chen* (Yangtze University)

12:45

**SEISMIC RESERVOIR CHARACTERIZATION III - INVERSION CASE STUDIES**

L. Barontini (Caimin Energy plc) & P.M.M. Pereira (CERENA / Instituto Superior Tecnico)

13:30
Th LHR4 09 - Integrated Fracture-caverns Detection Based on 3D P-wave Seismic Data - A Case Study of S46 Area, Tarim Basin - Z.N. Cao* (*China University of Petroleum (Beijing)), X.Y. Li (*China University of Petroleum (Beijing)), S.H. Sun (BSP Inc. of CNPC), U. Liu (Northwest Company, SINOPEC) & G.X. Deng (Northwest Company, SINOPEC)

14:15
Th LHR4 10 - Comparison of Deterministic and Geostatistical Inversion Results - A Case Study for a Gas-saturated Reservoirs with Coals - I.P. Yakovleva* (CGG), K.E. Filipova (CGG), V.I. Kuznetsov (RIEP of Sinopec Shengli Oilfield), Y.K. Alaudah* (Georgia Institute of Technology), D. Rojas (Schlumberger), M. Maleki (Total E&P), P. Biver (Total E&P), P. Henriquel (Total E&P) & E. Brechet (Total E&P)

15:00
Th LHR4 11 - Fault Seal in the Upper Slochteren (Rotliegend), Case Study from the Gillian Gas Field, Block LTlC, Netherlands Offshore - R. Gras (Orange-Nassau Energie B.V.), R. Neale* (Cegal), O.J. Rossebø (Cegal) & E. Verkuil (Oranje-Nassau Energie)

16:00
Th LHR4 12 - Fault Seal in the Upper Slochteren (Rotliegend), Case Study from the Gillian Gas Field, Block LTlC, Netherlands Offshore - R. Gras (Orange-Nassau Energie B.V.), R. Neale* (Cegal), O.J. Rossebø (Cegal) & E. Verkuil (Oranje-Nassau Energie)

**FAULT AND FRACTURE ANALYSIS**

A. Levarlet (Shell Global Solutions International BV) & G. Tari (DTU Exploration & Production GmbH)

13:00
Th LHR4 01 - Conditioning Channel Backward Migration Seismic Data to Seismic Seismic Data - M. Parque* (RING – University of Lorraine), F. Collon (RING – University of Lorraine) & G. Caumont (RING – University of Lorraine)

13:30
Th LHR4 02 - Assessing 3D Structural Uncertainties in Reservoir Modeling and their Effects in Fluid Distributions and Dynamics - A. Nasution (Baker Hughes) & A. Ganzo* (Baker Hughes)

14:00
Th LHR4 03 - Litho-seismic Constrained Object Geo-modelling and Infilling of Turbiditic Lake Complexes - H. Ben-Had-Ali* (Total E&P), R. Piquel (Total E&P), V. Silva (Total E&P), P. Biver (Total E&P), P. Henriquel (Total E&P) & E. Brechet (Total E&P)

14:30
Th LHR4 04 - Improving Reservoir Models through Combining Digital Outcrop Data and Forward Modelling - D. Hodgetts* (University of Manchester) & B.S. Burnham (University of Manchester)

15:00

15:30
Th LHR4 06 - Automated Workflow to Derive LIDAR Fracture Statistics for the DFN Modelling of a Tight Gas Sandstone Reservoir Analog - J. Riou* (Baker Hughes)

16:00
Th LHR4 07 - 3D Velocity Model Building via Simultaneous Joint Inversion of 2D Seismic and 3D Gravity Datasets - M. Mantovani* (Schlumberger), A. Lovatini (Schlumberger), K. Haye (Schlumberger) & L. De Luca (Schlumberger)

16:30
Th LHR4 08 - Imaging through Mega Gas Clouds in Offshore Brunel - Y.N. Lin* (CGG), X. Wu (CGG), Y. Xie (CGG), J. Zhou (CGG), S. Sulaiman (Shell Deepwater Borneo), J. Turner (Shell Deepwater Borneo) & Z. Wei (CGG)

17:00
Th LHR4 09 - Advances in Temporal Fault Seal Analysis - A Case Study from the Taranaki Basin, New Zealand - C. Reilly* (Midland Valley Exploration Ltd), H. Anderson (Midland Valley Exploration Ltd), A. Nicul (University of Canterbury, Christchurch, NZ) & J.J. Walsh (Fault Analysis Group, University College Dublin)

17:30
Th LHR4 10 - Geology of Mode I, Hybrid and Mode II Fractures - What Do we Really Know? - G. Bertotti* (Delft University of Technology) & A. Barrohn (Delft University of Technology)

18:00
Th LHR4 11 - Automated Workfllow to Derive UDAR Fracture Statistics for the DFN Modelling of a Tight Gas Sandstone Reservoir Analog - P. Wuestefeld* (Reservoir-Petrology, RWTH Aachen University), M. de Medeiros (Wintershall Holding GmbH), B. Koehler (Wintershall Holding GmbH), D. Sibbing (Computer Graphics Group, RWTH Aachen University), L. Kobbelt (Computer Graphics Group, RWTH Aachen University) & C. Hilgers (Reservoir-Petrology, RWTH Aachen University)

18:30
Th LHR4 12 - Fault Seal in the Upper Slochteren (Rotliegend), Case Study from the Gillian Gas Field, Block LTlC, Netherlands Offshore - R. Gras (Orange-Nassau Energie B.V.), R. Neale* (Cegal), O.J. Rossebø (Cegal) & E. Verkuil (Oranje-Nassau Energie)
**Oral presentations Thursday 2 June**

**Lehr 5**

**MULTI-COMPONENT SEISMIC DATA PROCESSING**

J. Boelle (Total) & C. Bagamin (Schlumberger)

**Schubert 1**

**WELL PERFORMANCE II (SPE)**

M. Brignoli (Eni S.p.A. E&P) & D. Perez (Schlumberger Overseas)

---

**08:30**

Th LHR 01 - Wavefield Separation of Multicomponent Land Seismic Data Using Spatial Wavefield Gradients - C. Van Renterghem* (ETH Zurich), C. Schmelbach (ETH Zurich) & J.O.A. Robertson (ETH Zurich)

Th SBT 01 - Optimization of Post-hydraulic-fracturing Flowback Cleanup Utilizing Polymer Content Determination in Flowback Liquid Samples - A.H. Al-Ali* (Saudi Aramco), H.A. Al-Anazi (Saudi Aramco) & A.A. Aziz (Saudi Aramco)

---

**08:55**

Th LHR 02 - Comparisons between Buried and Laid Seabed Cable on the Valhall Field and Challenges Processing PS and PS Data - A.F. Dawson* (Schlumberger), M. Porter (Schlumberger) & R. Frampton (Schlumberger)

Th SBT 02 - Innovative Approach of Coiled Tubing Pipe Integrity Control in High Chrome Completion and Harsh Environment - A. Zaynikov (KarazinKharkiv Taras Shevchenko National University), G. Kushtchayev (Schlumberger), A. Buran (Schlumberger), Y. Yumagulyaev* (Schlumberger) & R. Gaidanov (Schlumberger)

---

**09:20**

Th LHR 03 - SVD-based Hydrophone Driven Shear Noise Attenuation for Shallow Water OBS - A. Rozdok* (CGG), G. Bouiard (CGG), O. Boudhiche (CGG), R. Sterriffs (CGG), A. Rollet (CGG) & A. Lefram (Total)

Th SBT 03 - Pillar Fracturing Technique Application in the Algerian Desert for Well Production Enhancement - L. Dafour* (ENI Algeria), V. Melchiorre (ENI Algeria), K.A. Rispier (Halliburton), M. Gharaissi (Halliburton), M.L. Philippis (Halliburton), E. Pettersrud (ENI Algeria), D. Fragola (ENI Algeria), M. Allal (Sonatrach), H. Hachefel (Sonatrach), D. Alban (ENI Algeria), T. Haanlane (Sonatrach), D. Mohammed (Halliburton) & M. Kabe (Halliburton)

---

**09:45**

Th LHR 04 - Correcting the Orientation of the Horizontal Receiver Based on the Common Attitude Gather in 3D Seismic Exploration - D.K. He* (China University of Mining & Technology, Beijing) & S.P. Feng (China University of Mining & Technology, Beijing)

Th SBT 04 - Determining the Zeta Potential of Intact Shales via Electrophoresis - B.B. Hovak* (University of Texas at Austin), G.J. Sullivan (University of Texas at Austin), E. van Dort (University of Texas at Austin), H. Daigle (University of Texas at Austin) & C. Schindler (Malvern)

---

**10:10**

Break

**10:30**

Th LHR 05 - Application of PP-PS Joint Inversion in Thin Shale Interbed Prediction - G.C. Xu (RIPED, PetroChina Limited), K.F. Ju (RIPED, PetroChina Limited), J.L. Guo (RIPED, PetroChina Limited), J.S. Li (RIPED, PetroChina Limited) & W.S. Huang (RIPED, PetroChina Limited)

Th SBT 05 - Successful First Multistage Hydraybet Assisted Fracturing Process in an Ecuadorian Mature Field - J. Carrion (Petroamazonas EDF), M. Herrera* (Halliburton), E.A. Chuc (Halliburton), J. Chapa (Halliburton) & R.M. Hernandez (Halliburton)

---

**10:55**

Th LHR 06 - Maximizing the Value of Sparresly and Irregularly Sampled OBC Seismic Data Offshore Abu Dhabi - S. Nakayama* (ADMA-DPCG / INPEX), M.A. Benson (ADMA-DPCG), D. Khakimov (CGG), F. Janik (CGG) & G. Kwasny (CGG)

Th SBT 06 - Comparative Study on Acid Fracturing and Propped Hydraulic Fracturing for the High-pressure Tight Carbonate Formation - A. Suleimirova (Texas A&M University), X. Wang (Texas A&M University), D. Zhu* (Texas A&M University) & A.D. Hill (Texas A&M University)

---

**11:20**

Th LHR 07 - Horizon-based Splitting Intensity Analysis and Inversion for Anisotropic Characterization - D. Boieter* (Schlumberger) & C. Bagamin (Schlumberger)

Th SBT 07 - Geomechanical Model of Seismic HSE - A.D. Hill (Texas A&M University), B. O’Michael (Texas A&M University), E. Van Oort (University of Texas at Austin), H. Daigle (University of Texas at Austin), H.A. Al-Anazi (Saudi Aramco) & A.A. Aziz (Saudi Aramco)

---

**11:45**

Th LHR 08 - Multi-modal Surface Wave Inversion and Application to North Sea OBN Data - S. Hou (CGG), D. Zheng (CGG), X.G. Miao* (CGG) & R.R. Hassen (CGG)

Th SBT 08 - Strategies for Sustainable Development – a Case Study from India - S.K. Sharma* (Carman Residential and Day School)

---

**12:10**

Lunch

**12:30**

Th LHR 09 - Fracture Stratigraphy of the Vaca Muerta Formation - K.M. Bishop* (Colorado School of Mines) & T.L. Davis (Colorado School of Mines)


---

**13:55**

Th LHR 10 - Measurements and Modelling of the Elastic Properties of Artificial Shales - R. Belobrodo* (Curtin University), M. Pervushina (CSIRO) & M. Lebedev (Curtin University)

Th SBT 10 - Vessel Safe Towing Capacity Assessment - E.L. Anarov (Total Exploration & Production) & T.C. Choquer (Kappa Offshore Solutions)

---

**14:20**


Th SBT 11 - Seismic in the Arctic - from Sea to Land - T.A. Johansen* (University of Bergen) & S.D. Ruud (University of Bergen)

---

**14:45**

Th SBT 12 - Strategies for Sustainable Development – a Case Study from India - S.K. Sharma* (Carman Residential and Day School)

---

**15:10**

Break

**15:30**

Th LHR 13 - One 4D Geomechanical Model and its Many Applications - J.V. Herwanger* (Ikon Science), A. Bottrill (Ikon Science) & P. Popov (Ikon Science)

Th SBT 13 - Overpressure Detection Using Shear-wave Velocity Data - A Case Study from the Kimmeridge Clay Formation, UK CNS - A. Edwards* (Ikon Science Ltd), S. O’Connor (Ikon Science Ltd) & S. Green (Ikon Science Ltd)

---

**15:55**

Th LHR 14 - How Much Complexity is Needed in Geomechanical Modelling to Get an Accurate Answer? - G. Hoedeman* (Baker Hughes) & W. van der Zee (Baker Hughes)

Th SBT 14 - Seismic Characters of Pore Pressure Due to Smectite-to-illite Transition - X. Qin* (University of Houston) & D. Han (University of Houston)

---

**16:20**

Th LHR 15 - Risk Assessment for Fault Seal and Cap Rock Integrity Breach during EOR Operations - M. Holland (Baker Hughes) & W. van der Zee* (Baker Hughes)

Th SBT 15 - Construction of Normal Compaction Trends for Overpressure Prediction - A. Edwards* (Ikon Science Ltd) & T.C. Choquer (Kappa Offshore Solutions)

---

**16:45**

Th LHR 16 - Geomechanical Origin of Focused Fluid Flow and Chimney Structures - V. Verushina* (Institute for Energy Technology), L. Rass (University of Lusanne) & Y.Y. Podladchikov (University of Lusanne)

Th SBT 16 - A New Method for Poor Stress Predictions in Shaley Sandstone Reservoirs - S. Li (China University of Petroleum (Beijing)), D. Li* (China University of Petroleum (Beijing)), X. Lu (China University of Petroleum (Beijing)) & Y. Kang (China University of Petroleum (Beijing))

Note: the abstract number indicates the specific day, location and order of the session (day – location – order).
Schubert 2

| 08:30 | Th SBT2 01 - In situ Heavy Oil Upgrading Through Ultra-disperse Nano-Catalyst Injection in Naturally - C.R. Droese Castillo* (PEMEX) & P. Perera Almaz (University of Calgary) |
| 08:55 | Th SBT2 02 - Insight of HASD Technology in an Extra Heavy Oil Field in Comparison to Traditional Thermal EOR Processes - S. Perez* (Repso S.A.) & E. Escobar (Repso S.A.) |
| 09:20 | Th SBT2 03 - Mechanical Degradation of Polymers During Injection, Reservoir Preparation and Production - Field Test Results #8 Th Reservoir, Austria - C. Pul (OMV), T. Clemens* (OMV), C. Sedl (Mining University Leoben), R. Kadrn (OMV) & T. Gumpenberger (OMV) |
| 09:45 | Th SBT2 04 - Simulation Study of Application of a Water Diverting Gel in Enhanced Oil Recovery - A. Jahangiri Ghaffaraki* (Norwegian University of Science and Technology), J. Kiepe (Norwegian University of Science and Technology) & O. Torset (Norwegian University of Science and Technology) |

Schubert 3

| MICRO AND PASSIVE SEISMIC EVENT DETECTION AND ANALYSIS I | A.V. Strouf (Chevron Global Upstream & Gas) & A.A. Duchkov (Institute of Petroleum Geology & Geophysics SB RAS) |
| Th SBT3 01 - Can Stacking Absolute Values Give Better Signal-to-noise Ratio than Raw Signal Stacking? - J. Trojanowics* (Institute of Geophysics, PAS) & L. Esmer (IRSM Czech Academy of Sciences and Seismik s.r.o.) |
| Th SBT3 02 - The Structure-tensor Analysis for Optimal Microseismic Data Partial Stack - G. Logino* (Novosibirsk State University), A. Duchkov (Institute of Petroleum Geology and Geophysics) & F. Andersson (Lund University) |
| Th SBT3 03 - An Automatic Arrival Time Picking Method Based on RANSAC Curve Fitting - L. Zhu (Georgia Institute of Technology), E. Liu* (Georgia Institute of Technology) & J.H. McClelland (Georgia Institute of Technology) |
| Th SBT3 04 - Joint Inversion of Perforations and Microseismic Events - X. Tan* (University Of Science And Technology Of China), W. Zhang (University Of Science And Technology Of China) & J. Zhang (University Of Science And Technology Of China) |

Note: the abstract number indicates the specific day, location and order of the session (day – location – order).
<table>
<thead>
<tr>
<th>Oral presentations Thursday 2 June</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Schubert 4</strong></td>
</tr>
<tr>
<td>CO2 CAPTURE AND STORAGE</td>
</tr>
<tr>
<td>R. Vignjevic (University of Manchester) &amp; A. Gendrin (Schlumberger Cambridge Research)</td>
</tr>
<tr>
<td><strong>08:30</strong></td>
</tr>
<tr>
<td>Th SBT4 01 - Constraints on the Magnitude of Anisotropy of a Deep Saline CO2 Storage Reservoir with Large Impedance and Anisotropy - L.A.N. Reach* (University of Leeds), D.A. Angus (University of Leeds) &amp; D.J. White (Geological Survey of Canada)</td>
</tr>
<tr>
<td><strong>08:55</strong></td>
</tr>
<tr>
<td>Th SBT4 02 - Preliminary Seismic Time-lapse Results from the First Post-injection Survey at the Ketzin Pilot Site - F. Huang* (Uppsala University), M. Ivanovic (Uppsala University), C. Johlin (Uppsala University), S. Lüth (GFZ German Research Centre for Geosciences), P. Bergmann (GFZ German Research Centre for Geosciences), M. Andersson (Uppsala University), J. Gütz (GFZ German Research Centre for Geosciences), A. Ivanova (GFZ German Research Centre for Geosciences) &amp; F. Zhang (Uppsala University)</td>
</tr>
<tr>
<td>Th SBT5 03 - Using a Marchenko-redatumed Reflection Response as an Exact Boundary Condition - P. Ersbøl* (ETH Zurich), D.J. van Manen (ETH Zurich), F. Broggi (ETH Zurich) &amp; J.O.A. Robertson (ETH Zurich)</td>
</tr>
<tr>
<td><strong>09:20</strong></td>
</tr>
<tr>
<td><strong>09:45</strong></td>
</tr>
<tr>
<td>Th SBT4 04 - Subsurface Imaging Using Buried DAS and Geoarray Arrays - Preliminary Results from CO2CRC Otway Project - C. Yu (Curtin University and CO2CRC), B.M. Freifeld (Lawrence Berkeley National Laboratory), R. Pevanter* (Curtin University and CO2CRC), K. Tertyshnikov (Curtin University and CO2CRC), A. Dzinac (Curtin University and CO2CRC), S. Znanov (Curtin University and CO2CRC), V. Shulovka (CSIRO and CO2CRC), M. Robertson (Lawrence Berkeley National Laboratory), T.M. Daley (Lawrence Berkeley National Laboratory), A. Kusic (Curtin University and CO2CRC), M. Urosevic (Curtin University and CO2CRC) &amp; B. S. Gurewich (Curtin University and CSIRO and CO2CRC)</td>
</tr>
<tr>
<td><strong>10:10</strong></td>
</tr>
<tr>
<td><strong>10:30</strong></td>
</tr>
<tr>
<td>Th SBT5 07 - Experimental Study of the Impact of Salinity and Temperature on Convection Mechanism During CO2 Storage in Saline Aquifers - M. Seyyedi Nasob Abad (Heriot-Watt University), B. Rostami (University of Tehran) &amp; T. P. Hitzhoohan* (Queenax University of Advanced Technology)</td>
</tr>
<tr>
<td><strong>11:20</strong></td>
</tr>
<tr>
<td>Th SBT4 07 - Modelled Basin-scale CO2 Storage in the Bunter Sandstone of the UK Southern North Sea - S. Agda* (Imperial College London), C. Kolster (Imperial College London), G. Williams (British Geological Survey) &amp; S. Kreov (Imperial College London)</td>
</tr>
<tr>
<td><strong>11:45</strong></td>
</tr>
<tr>
<td><strong>12:10</strong></td>
</tr>
<tr>
<td><strong>EDR - MANY OPTIONS, ONE GOAL</strong></td>
</tr>
<tr>
<td>V. Linssen (Institute of Petroleum Geology &amp; Geophysics SB BAS)</td>
</tr>
<tr>
<td>Th SBT5 09 - Data Analysis and Screening Guidance for Field CO2 Flooding Projects in the United States - M.F. Yin (Missouri University of Science and Technology), M.Z. Wei* (Missouri University of Science and Technology) &amp; B.J. Bais (Missouri University of Science and Technology)</td>
</tr>
<tr>
<td>Th SBT5 10 - Numerical Simulation of Foam Injection in Fractured Carbonates - Quantifying the Impacts of Foam and Reservoir Properties - A. Almalabibi* (Heriot-Watt University), S. Geiger (Heriot-Watt University) &amp; E. Mackay (Heriot-Watt University)</td>
</tr>
<tr>
<td><strong>14:20</strong></td>
</tr>
<tr>
<td>Th SBT4 12 - Experimental and Numerical Studies on Downhole Gasification technique for improved oil recovery using a semi pilot rig - D.A. Sanchez Monsalve* (PDVSA Intevep), G. Greaves (University of Bath) &amp; P. Pucinski (University of Bath)</td>
</tr>
<tr>
<td><strong>15:10</strong></td>
</tr>
<tr>
<td><strong>15:30</strong></td>
</tr>
<tr>
<td>Th SBT5 13 - Degradation of Synthetic Polymers during Radical Injection in a Sandstone - C. Rosenkilde* (Statfjord ASA), K. Braakstad (Statfjord ASA) &amp; J.B. Smith (Statfjord ASA)</td>
</tr>
<tr>
<td><strong>15:55</strong></td>
</tr>
<tr>
<td>Th SBT5 15 - Protected Polyacrylamide Nanostructure Used for Enhanced Oil Recovery Process - Y. Tamilla* (Sharif University of Technology), A. Ramanzani S.A. (Sharif University of Technology), M. Shaban (Sharif University of Technology), S. Ayatollahi (Sharif University of Technology), J.C. De La Cal (University of the Basque Country), J.J. Sheng (Texas Tech University) &amp; R. Tomovska (University of the Basque Country)</td>
</tr>
<tr>
<td>Th SBT5 16 - Improved Heavy Oil Recovery by Nanofluid Surfactant Flooding: An Experimental Study - D. Cheraghian* (Young Researchers and Elite Club, Islamic Azad Un)</td>
</tr>
</tbody>
</table>

Note: the abstract number indicates the specific day, location and order of the session (day – location – order).
<table>
<thead>
<tr>
<th>Time</th>
<th>Stoltz 0</th>
<th>Stoltz 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30</td>
<td>Th STZ0 01 - Experimental Studies on Dense Carbonates - An Analysis of Elastic Properties Dependent on Pure Structure - J. G. Zhao* (China University of Petroleum (Beijing), X.X. Huang (University of Petroleum (Beijing), X.Y. Ma (China University of Petroleum (Beijing)), H.J. Yin (China University of Petroleum (Beijing)), L.M. Zhao (China University of Petroleum (Beijing)) &amp; S.X. Wang (China University of Petroleum (Beijing)))</td>
<td>Th STZ1 01 - Adaptive Win dowed Dehosting - Applications to Faz Acquisition - Z. Zhang* (TGS), X. Wu (TGS), B. Wang (TGS) &amp; J. Ji (TGS)</td>
</tr>
<tr>
<td>08:55</td>
<td>Th STZ0 02 - Rock Physics Modeling of Heterogeneous Carbonate Reservoirs - Porosity Estimation and Hydrocarbon Detection - H. Yu* (RIPED, PetroChina Limited), J.S. Liu (RIPED, PetroChina Limited) &amp; G.C. Xu (RIPED, PetroChina Limited)</td>
<td>Th STZ1 02 - Practical Aspects of Non Local Means Filtering of Seismic Data - C. De Gaetan* (Dolphin Geophysical Ltd), P. S. Winters (Dolphin Geophysical Ltd), J. Barnes (Dolphin Geophysical Ltd) &amp; S. Grion (Dolphin Geophysical Ltd)</td>
</tr>
<tr>
<td>09:20</td>
<td>Th STZ0 03 - Construction and Evaluation of a Realistic Synthetic Organic-rich Shale - Based on Hot-touching Technique - J.Y. Xi* (China University of Petroleum (Beijing)), B.R. Di (China University of Petroleum (Beijing)), J.X. Wei (China University of Petroleum (Beijing)) &amp; S.K. Chen (University of Texas at Austin)</td>
<td>Th STZ1 03 - Enhanced 3D Broadband Processing - A Case Study from the Edward Grieg Field - N. Salah* (CGG), V. Cavaille (CGG), P. Bonsewitch (CGG), D. Hardouin (CGG) &amp; A. Wright (CGG)</td>
</tr>
<tr>
<td>10:10</td>
<td>Break</td>
<td>Break</td>
</tr>
<tr>
<td>10:30</td>
<td>Th STZ0 05 - Effects of Fracture Intersections on Seismic Dispersion - Theoretical Predictions Versus Numerical Simulations - J. Guo* (Curtin University), J.G. Rubino (University of Western Ontario), B. Guerevic (Curtin University), S. Slubakowski (Curtin University), A. Dykin (The University of Western Australia) &amp; E. Pastersamat (The University of Western Australia)</td>
<td>Th STZ1 05 - Random Noise Attenuation Based on Orthogonal Polynomial Transform in the Flattened Domain - Y. Chen (University of Texas at Austin), Y. Xue (China University of Petroleum - Beijing), Z. Chen (University of Southern California), C. Gan (China University of Petroleum - Beijing) &amp; D. Zhang (China University of Petroleum - Beijing)</td>
</tr>
<tr>
<td>10:55</td>
<td>Th STZ0 06 - A Frequency-dependent Velocity Prediction Model Based on Double-porosity Media Theory - Z.S. Su* (China University of Petroleum, Beijing), Y.G. Li (China University of Petroleum, Beijing), J.P. Yang (Tamir Oilfield Co., CNPC) &amp; Z.S. Liu (China University of Petroleum, Beijing)</td>
<td>Th STZ1 06 - Inversion-based x Domain Signal-preserving Random Noise Reduction method - Z. Zhang* (China University of Petroleum (Beijing)), G. Li (China University of Petroleum (Beijing)), J. Wei (China University of Petroleum (Beijing)), B. Li (China University of Petroleum (Beijing)), J. Wang (China University of Petroleum (Beijing)) &amp; M. Wang (China University of Petroleum (Beijing))</td>
</tr>
<tr>
<td>11:20</td>
<td>Th STZ0 07 - Feasibility Analysis of a Kenopen Analogue Used in the Construction of Artificial Organic-rich Shale Samples - J.Y. Xi* (China University of Petroleum (Beijing)), B.R. Di (China University of Petroleum (Beijing)) &amp; J.X. Wei (China University of Petroleum (Beijing))</td>
<td>Th STZ1 07 - Statistical Modelling of pre-injection Noise Recorded at the Aquistore Carbon Storage Site - T. Birnie* (University of Leeds), K. Chambers (Nanometrics Inc.) &amp; D. Angus (University of Leeds)</td>
</tr>
<tr>
<td>12:10</td>
<td>Lunch</td>
<td>Lunch</td>
</tr>
<tr>
<td>13:30</td>
<td>Th STZ0 09 - Seismic Attenuation in Porous Rocks Containing Random Distributions of Aligned Fractures - N. Barboza* (University of Lausanne), E. Caspari (University of Lausanne), J.G. Rubino (University of Western Ontario) &amp; K. Holliger (University of Lausanne)</td>
<td>Th STZ1 09 - Mapping the Basal Tertiary Maureen Fm. at the Mariner Field with Isotixm Broadband Data - P.J. McFadden* (Statoil Production Ltd) &amp; N. McAndie (Statoil Production Ltd)</td>
</tr>
<tr>
<td>13:55</td>
<td>Th STZ0 10 - Image Quality Enhancement Using Volumetric 0-tomography and 0-PSDM - Martin Linga Case Study - S. Gareau-Sadat* (CGG), L. Jumot (CGG), D. Carotti (CGG), J. Morante Gout (TOTAL Norge), P. Masceramone (TOTAL E&amp;P) &amp; G. Mikkelson (TOTAL Norge)</td>
<td>Th STZ1 10 - Integrated Post-stack Acoustic Seismic Inversion Case Study to Enhance Geological Model Description of Upper Ordivician - N. Nosjeieen* (Engie), D. Vouaty (Engie), S. Clerc (Engie), M. Dupouy (Engie), A. Lloyd (Engie) &amp; S. Zahir (Sonatrach)</td>
</tr>
<tr>
<td>14:20</td>
<td>Th STZ0 11 - P-wave Seismic Attenuation - Effects of Inhomogeneous Rock Properties Based on Patchy Saturated Model - S. Zhang* (China University of Petroleum (Beijing)), S. Chen (China University of Petroleum (Beijing)), X.Y. Li (China University of Petroleum (Beijing)), T.C. Wu (China University of Petroleum (Beijing)) &amp; D. Zhang* (China University of Petroleum (Beijing))</td>
<td>Th STZ1 11 - Interpretation of Complex Reservoirs - From Outcrops to Superresolution Imaging - T.J. Moser* (Moser Geophysical Services), S. Johannsen (Norwegian University of Science and Technology), W. Aiken (Norwegian University of Science and Technology) &amp; S. Sangseth (Norwegian University of Science and Technology)</td>
</tr>
<tr>
<td>15:10</td>
<td>Break</td>
<td>Break</td>
</tr>
<tr>
<td>15:30</td>
<td>Th STZ0 13 - High-efficient and Accurate Attenuation Compensation in Reverse-time Migration - Q. Q. Li* (University of Petroleum (Beijing)), H. Zhou (China University of Petroleum (Beijing)), N.N. Du (State Grid N 2 Zhao Power Supply Company), G.Q. Zhu (Qingdao University) &amp; Y. An (China University of Petroleum (Beijing))</td>
<td>Th STZ1 13 - The Method on Accurate Description of Central Volcanic Conduits - Z. Y. Zhou (CNOOC Ltd Tianjin Branch) &amp; Z.J. Han (CNOOC Ltd Tianjin Branch)</td>
</tr>
<tr>
<td>16:20</td>
<td>Th STZ0 15 - A Modified Generalized S Transform Method and its Application - W.J. Cao* (China University of Petroleum and Tongji University), H.Z. Wang (Tongji University), H.Z. Li (China University of Petroleum &amp; Z.C. Li (China University of Petroleum)</td>
<td>Th STZ1 15 - Study on the Feasibility and Stability of Zero-crossing Time Slices of Seismic Attributes in Identification of Thin Sand - X.G. Zhang* (China University of Petroleum (Beijing)), J.S. Shen (China University of Petroleum (Beijing)), P.C. Wang (China University of Petroleum (Beijing)) &amp; L. Ji (China University of Petroleum (Beijing))</td>
</tr>
<tr>
<td>16:45</td>
<td>Th STZ0 16 - Wave Attenuation of Marine Gas Hydrate-bearing Sediments - Model and Stability Analysis - M. Zhou* (China University of Petroleum (Beijing)), W. Zhang (China University of Petroleum (Beijing)), H.G. Li (China University of Petroleum (Beijing)), B.J. Zhang (Guangzhou marine geological survey), Y. Wei (Guangzhou Marine Geological Survey)</td>
<td>Th STZ1 16 - Multi-scale Sequence Stratigraphy - Extending Well-analyses to 3D Stability - M. Morris* (DMN Upstream), J.D. Sanchez Mendez (DMN Upstream), F. Gayum (GDB Earth Sciences) &amp; V. Romanov (GDB Earth Sciences)</td>
</tr>
</tbody>
</table>
### Stolz 2

<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30</td>
<td>Th STZ2 01 - Estimation of Interval P Wave Orthorhombic Parameters from VSP Walkaway and Walkaround Data Using Differential Evolution - A. Padi (Halliburton), R. Zhou (Halliburton), M.E. Willis* (Halliburton) &amp; J. Zhu (Chesapeake Energy Corporation)</td>
</tr>
<tr>
<td>08:55</td>
<td>Th STZ2 02 - Calibration of Distributed Acoustic Sensing (DAS) VSP Data - M.E. Willis* (Halliburton), A. Ellmauthaler (Halliburton), X. Wu (Halliburton), D. Banfoot (Halliburton), C. Erdemir (Halliburton), Q.A. Barrios-Lopez (Halliburton), D. Quinn (Halliburton) &amp; S. Shaw (Halliburton)</td>
</tr>
<tr>
<td>09:20</td>
<td>Th STZ2 03 - Depth Calibration of Fibre-optic Distributed Vibration Sensing Measurements - T. Dean (Schlumberger Oilfield UK), T. Cuny* (Schlumberger), A. Constantiou (Schlumberger), P. Dickinson (Schlumberger), E. Smith (Schlumberger) &amp; E. Hamouchou (Schlumberger)</td>
</tr>
<tr>
<td>09:45</td>
<td>Th STZ2 04 - Learnings from Distributed Acoustic Sensing Data Processing for Seismic Applications - A Case Study from the North Sea - T. Hance* (BP Exploration Operating Co. Ltd), T. Jiang (BP America Inc), G. Zhao (BP America Inc), E. Kjos (BP Norge AS), R. Green (BP America Inc), S. Souls (BP Exploration Operating Co. Ltd) &amp; I. Thomas (BP Exploration Operating Co. Ltd)</td>
</tr>
<tr>
<td>10:10</td>
<td>Break</td>
</tr>
<tr>
<td>10:30</td>
<td>Th STZ2 05 - Walkaway VSP Using Multimode Optical Fibres in a Hybrid Wireline - G. Yu* (BGP Inc.), Y.C. Chen (BGP Inc.), X.M. Wang (BGP Inc.), Q.H. Zhang (BGP Inc.), Y.P. Li (BGP Inc.), B.Y. Zhao (Jodong Oilfield, CNPC), J.J. Wu (BGP Inc.) &amp; J. Greer (Silixa)</td>
</tr>
<tr>
<td>11:20</td>
<td>Th STZ2 07 - Feasibility of Azimuthal Anisotropy Determination Using P-wave Reflection Amplitude from a Walkaround VSP - R. Zhou* (Halliburton), K. Green (Halliburton), J. Peron (Halliburton) &amp; W.S. Lyons (Anadarko Petroleum Corporation)</td>
</tr>
<tr>
<td>11:45</td>
<td>Lunch</td>
</tr>
<tr>
<td>12:10</td>
<td>Lunch</td>
</tr>
</tbody>
</table>

### Strauss 1

<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30</td>
<td>EXECUTIVE SESSION ON ‘UNCONVENTIONALS OUTSIDE NORTH AMERICA’ - B. Glover (MOL) &amp; W. Knecht (Wintershall)</td>
</tr>
<tr>
<td>08:30 - 11:30</td>
<td>M. Rodgers (Makk Energy)</td>
</tr>
</tbody>
</table>

### Microseismic - Event Localization on Micro and Macro Scale

<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:30</td>
<td>Th STZ2 09 - Insights on the Robustness of Event Locations from Analysis of Acoustic Emissions Observed in a Triaxial Experiment - I.A. Vera Rodrigo* (Schlumberger), S. Stanchits (Schlumberger) &amp; J. Burghardt (Schlumberger)</td>
</tr>
<tr>
<td>14:20</td>
<td>Th STZ2 11 - Automatic Joint Location and Velocity Inversion for Passive Seismic Data - B. Schwarz* (University of Hamburg), A. Bauer (University of Hamburg) &amp; D. Gajewski (University of Hamburg)</td>
</tr>
<tr>
<td>14:45</td>
<td>Th STZ2 12 - Micro-seismic Imaging Using Source-independent Waveform Inversion - H. Wang* (King Abdullah University of Science &amp; Technology) &amp; T. Alkhalifah (King Abdullah University of Science &amp; Technology)</td>
</tr>
<tr>
<td>15:10</td>
<td>Break</td>
</tr>
<tr>
<td>15:30</td>
<td>Th STZ2 13 - Automated Event Localisation Using the AIC Characteristic Function - Application to Microseismology Around Somatun Fault - A. Hendriyana* (GFZ-Potsdam) &amp; T.B. Schwarz (GFZ-Potsdam)</td>
</tr>
<tr>
<td>15:55</td>
<td>Th STZ2 14 - Ambient Noise Tomography in the Adana Basin of Southern Turkey - T. Balirci (Istanbul Technical University), A. Kaslir* (Istanbul Technical University) &amp; A. Kacagolu (Istanbul Technical University)</td>
</tr>
<tr>
<td>16:20</td>
<td>Th STZ2 15 - Real-time Earthquake Search Engine with Historic Data for Database - H. Zhu* (University of Science &amp; Technology of China), X. Tian (University of Science &amp; Technology of China) &amp; J. Zhu (University of Science &amp; Technology of China)</td>
</tr>
<tr>
<td>16:45</td>
<td>Th STZ2 16 - Anisotropic Elastic Wavefield Imaging Using the Energy Norm - D. Recha* (Colorado School of Mines), N. Tanushev (Physics Dept. &amp; P. Sava (Colorado School of Mines)</td>
</tr>
</tbody>
</table>

### Oral presentations Thursday 2 June

Note: the abstract number indicates the specific day, location and order of the session (day – location – order).
**e-Posters presentations Thursday 2 June**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00</td>
<td><strong>PHYSICAL SEISMIC MODELLING</strong></td>
</tr>
<tr>
<td>09:00</td>
<td>P. Thare (Total E&amp;P)</td>
</tr>
<tr>
<td>10:30</td>
<td>Break</td>
</tr>
<tr>
<td>10:30</td>
<td><strong>SEISMIC RESERVOIR CHARACTERIZATION (B) - NEW ADVANCED METHODS</strong></td>
</tr>
<tr>
<td>10:30</td>
<td>M. Cavanagh (Paradigm) &amp; F. Bordignon (Federal University of Santa Catarina)</td>
</tr>
<tr>
<td>10:30</td>
<td><strong>SEISMIC RESERVOIR CHARACTERIZATION (C) - USING NEW ATTRIBUTES</strong></td>
</tr>
<tr>
<td>10:30</td>
<td>M.S. Shahraeeni (Total E&amp;P UK Limited)</td>
</tr>
<tr>
<td>11:00</td>
<td>Lunch</td>
</tr>
<tr>
<td>11:00</td>
<td><strong>SEISMIC RESERVOIR CHARACTERIZATION (D)</strong></td>
</tr>
<tr>
<td>11:00</td>
<td>A. Canning (Paradigm) &amp; F. Bordignon (Federal University of Santa Catarina)</td>
</tr>
<tr>
<td>11:00</td>
<td><strong>SEISMIC RESERVOIR CHARACTERIZATION (E)</strong></td>
</tr>
<tr>
<td>11:00</td>
<td>M. Cavanagh (Paradigm) &amp; F. Bordignon (Federal University of Santa Catarina)</td>
</tr>
<tr>
<td>11:00</td>
<td><strong>SEISMIC RESERVOIR CHARACTERIZATION (F)</strong></td>
</tr>
<tr>
<td>11:00</td>
<td>M. Cavanagh (Paradigm) &amp; F. Bordignon (Federal University of Santa Catarina)</td>
</tr>
<tr>
<td>11:00</td>
<td><strong>SEISMIC RESERVOIR CHARACTERIZATION (G)</strong></td>
</tr>
<tr>
<td>11:00</td>
<td>M. Cavanagh (Paradigm) &amp; F. Bordignon (Federal University of Santa Catarina)</td>
</tr>
<tr>
<td>11:00</td>
<td><strong>SEISMIC RESERVOIR CHARACTERIZATION (H)</strong></td>
</tr>
<tr>
<td>11:00</td>
<td>M. Cavanagh (Paradigm) &amp; F. Bordignon (Federal University of Santa Catarina)</td>
</tr>
</tbody>
</table>

*Note: the abstract number indicates the specific day, location and order of the session (day – location – order).*
**e-Posters presentations Thursday 2 June**

Note: the abstract number indicates the specific day, location and order of the session (day – location – order).

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30</td>
<td>Th P3 01 - The Dispersion Curves of Love Waves in Kelvin-Voigt Viscoelastic Media - D.S. Wu (China University of Petroleum), C.Y. Sun (China University of Petroleum) &amp; M.Y. Lin* (China University of Petroleum)</td>
</tr>
<tr>
<td></td>
<td>Th P4 01 - A Coherent Simultaneous Shooting Scheme and its Source Separation - Z. Tang* (Shell Global Solutions International BV) &amp; X. Campman (Shell Global Solutions International BV)</td>
</tr>
<tr>
<td>08:55</td>
<td>Th P3 02 - Computation of Sensitivities of Rayleigh Phase Velocity and Attenuation Coefficient with the Adjoint Method - R. Verschatte* (KU Leuven) &amp; G. Degrande (KU Leuven)</td>
</tr>
<tr>
<td></td>
<td>Th P4 02 - Seismic Blending and Deblending in 3D - C. Reinicke Urtucuoechea* (Delft University of Technology), G.J.A. Groenestijn (PGS) &amp; G. Blacquière (TU Delft)</td>
</tr>
<tr>
<td>09:20</td>
<td>Th P3 03 - Seismic Detection and Delineation of a Low Q Structure - D. Shi* (University of Toronto), L.J. Sun (China University Petroleum (Beijing)) &amp; B. Mikkola (University of Toronto)</td>
</tr>
<tr>
<td></td>
<td>Th P4 03 - Deblending by Using Ghost - S. Wu* (Delft University of Technology), G.J.A. van Groenestijn (PGS) &amp; G. Blacquière (TU Delft)</td>
</tr>
<tr>
<td>09:45</td>
<td>Th P3 04 - An Approach Towards Stratigraphic Correlation Using Wavelets - V. Srivardhan (Indian School of Mines) &amp; D. Mondal* (Coal India Limited)</td>
</tr>
<tr>
<td></td>
<td>Th P4 04 - Deblending Seismic Data by Directionality Penalties - F. Andersen* (Lund University), J. Wittsten (Ritsumeikan University), A.C. Ramirez (Statoil) &amp; T. Wilk (Statoil)</td>
</tr>
<tr>
<td>10:10</td>
<td>Lunch</td>
</tr>
<tr>
<td>10:30</td>
<td>Th P3 05 - Frequency Effects in Hand-held Electromagnetic Short Coil Spacing Data - P.J. Saksa* (Geoseis Oy)</td>
</tr>
<tr>
<td></td>
<td>Th P4 05 - Acquisition Geometry-aware Focal Deblending - A. Kontakos* (Delft University of Technology), S. Wu (Delft University of Technology) &amp; D.J. Verschuur (Delft University of Technology)</td>
</tr>
<tr>
<td>10:55</td>
<td>Th P3 06 - Applicability of Phased Array Antenna to Ground Penetrating Radar for Subsurface Imaging Below Surface Obstacles - K.K. Kikuchi* (Kyoto University), H.M. Mikada (Kyoto University) &amp; J.T. Takekawa (Kyoto University)</td>
</tr>
<tr>
<td></td>
<td>Th P4 06 - Crosstalk-free Simultaneous Acquisition by Arbitrary Sweeps with Amplitude Modulation - M. Takanashi* (JOGMEC), Y. Nakamura (JOGMEC), M. Nakatsukasa (JOGMEC) &amp; J. Sakakibara (JFE Civil Eng. &amp; Cons. Corp.)</td>
</tr>
<tr>
<td>11:20</td>
<td>Th P3 07 - Predictive Geological Mapping of the Baie Verte Peninsula, NL, CA, Using SOM Neural Nets - A.E. Carter-McAusten (Memorial University of Newfoundland) &amp; C.G. Farquharson* (Memorial University of Newfoundland)</td>
</tr>
<tr>
<td></td>
<td>Th P4 07 - Least-squares Migration via a Gradient Projection Method - Application to Seismic Data Deblending - J. Cheng (University of Alberta), N. Kazemi (University of Alberta) &amp; M. Sacchi (University of Alberta)</td>
</tr>
<tr>
<td>11:45</td>
<td>Th P3 08 - 2D Probabilistic Prediction of Sparsely Measured Geotechnical Parameters Constrained by Geophysical Tomography under Con - A. Asadi* (Helmholtz Centre for Environmental Research - UFZ), P. Dietrich (Helmholtz Centre for Environmental Research - UFZ)</td>
</tr>
<tr>
<td></td>
<td>Th P4 08 - Polarity Encoding Full Waveform Inversion with Prior Model Based on Blend Data - Y. D. Guo (China University of Petroleum(East China)), J.P. Huang (China University of Petroleum(East China)), Z.C. Li (China University of Petroleum(East China)), Y.M. Gu* (China University of Petroleum(East China)) &amp; Y.T. Hang (China University of Petroleum(East China))</td>
</tr>
<tr>
<td>12:10</td>
<td>Lunch</td>
</tr>
</tbody>
</table>

**SEISMIC ANISOTROPY IN FRACTURED RESERVOIRS (A)**
- X. Wu (British Geological Survey)

**SEISMIC MODELLING (B)**
- X.D. Tang (Chinese Academy of Sciences)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:30</td>
<td>Th P3 09 - Fracture Characterization with Azimuthal Inversion Technique - A Case Study for Carbonate Reservoir - Y.X. Wang (RIPED), J.Z. Zheng (RIPED), J.Q. Yin (RIPED), B. Liu* (CCG), S.T. Jin (RIPED), X.W. He (CCG), Z. Wang (RIPED) &amp; J. Jing (CCG)</td>
</tr>
<tr>
<td></td>
<td>Th P4 09 - Multiscale Semi-analytical SH-wave Modeling of Rough Surface Responses - M. Zhang* (Institute of Geology and Geophysics, CAS), L. Fu (Institute of Geology and Geophysics (CAS)) &amp; X. Li (Institute of Geology and Geophysics (CAS))</td>
</tr>
<tr>
<td></td>
<td>Th P4 10 - 3D Anisotropic Full Waveform Modeling with an Enhanced OASES Workflow for Complex Source-receiver Geometries - A. Roeser* (Freie Universität Berlin) &amp; S.A. Shapiro (Freie Universität Berlin)</td>
</tr>
<tr>
<td>14:20</td>
<td>Th P3 11 - Influence Factors Analysis of Anisotropic Fracture Prediction Using Ellipse Fitting - Y.F. Wang* (China University of Petroleum-Beijing), S.X. Wang (China University of Petroleum-Beijing), S.Y. Yuan (China University of Petroleum-Beijing), P.D. Shi (University of Leeds) &amp; B.P. Yan (China University of Petroleum-Beijing)</td>
</tr>
<tr>
<td>14:45</td>
<td>Th P3 12 - Dispersion of Low-frequency Waves in Fractured and Periodically Layered Media - V. Roganov* (Glushkov Institute of Cybernetics), A. Stavos (NTNU, Norway) &amp; Y. Roganov (consultant, Ukraine)</td>
</tr>
<tr>
<td></td>
<td>Th P4 12 - Highly Accurate 3D Traveltme Calculation and Raytracing Based on Multi-stencils Fast Marching Method - P.C. Ding (China University of Petroleum (East China)), Z.C. Li (China University of Petroleum (East China)), X. Wu (China University of Petroleum (East China)), Q. Lin (China University of Petroleum (East China)), K. Zhang (China University of Petroleum (East China)) &amp; Y.Y. Li* (China University of Petroleum (East China))</td>
</tr>
<tr>
<td>15:10</td>
<td>Break</td>
</tr>
<tr>
<td></td>
<td>Break</td>
</tr>
</tbody>
</table>
e-Poster presentations Thursday 2 June

Note: the abstract number indicates the specific day, location and order of the session (day – location – order).

<table>
<thead>
<tr>
<th>e-Posters 5</th>
<th>e-Posters 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEDIMENTOLOGY AND STRUCTURAL REGIONAL GEOLOGY</td>
<td>AVO INVERSION AND ROCK PHYSICS</td>
</tr>
<tr>
<td>C.L. Gill (Shell UK Ltd)</td>
<td>H. Gatemir (Reservoir Geophysics Consulting) &amp; J.S. Gunning (CSIRO)</td>
</tr>
<tr>
<td>08:30</td>
<td>Th P6 01 - Prestack Depth-domain Inversion after Reverse Time Migration - X. Du* (Schlumberger), R. Fletcher (Schlumberger) &amp; M. Cevalca (Schlumberger)</td>
</tr>
<tr>
<td>08:55</td>
<td>Th P6 02 - Resolution Enhancement of Robust Bayesian Pre-stack Inversion in the Frequency Domain - K. Li* (China University of Petroleum) &amp; Z.Y. Zong (China University of Petroleum)</td>
</tr>
<tr>
<td>09:20</td>
<td>Th P6 03 - Facies Driven Extended Elastic Inversion - Application to the Niobrara - Y. Kiche* (Go GeoEngineering), L. OUHIB (Go GeoEngineering), D. Balegh (FracGeo) &amp; A. Duenez (FracGeo)</td>
</tr>
<tr>
<td>09:45</td>
<td>Th P6 04 - Features of Markov Random Field about Simultaneous Inversion of Pre-stack Seismic Data in Transversely Isotropic Media - Q. Guo (Hohai University), H.B. Zhang* (Hohai University), W. Saed (Hohai University) &amp; Z.P. Shang (Hohai University)</td>
</tr>
<tr>
<td>10:10</td>
<td>Break</td>
</tr>
<tr>
<td>10:30</td>
<td>Th P6 05 - Experimental Research about the Influence of Rock Microscopic Structure on Sandstone Velocity - C. Li* (China University of Petroleum - Beijing), J.X. Wei (China University of Petroleum - Beijing), B.R. Di (China University of Petroleum - Beijing), X.Y. Liu (China University of Petroleum - Beijing), D. Ge (China University of Petroleum - Beijing) &amp; J.Y. Xie (China University of Petroleum - Beijing)</td>
</tr>
<tr>
<td>11:20</td>
<td>Th P6 07 - A Method to Improve the Sensitivity of Neutron Porosity Measurement Based on D-T Source - J. Liu (China University of Petroleum), F. Zhang (China University of Petroleum), J. Hou (North Carolina State University), G. Zhang* (China University of Petroleum) &amp; L. Tan (China University of Petroleum)</td>
</tr>
<tr>
<td>11:45</td>
<td>Th P6 08 - The Connection between Ophiolite Occurrence and Yagen-Sorong Fault Zone (YSFZ), Papua, Indonesia - F. Ikhwanudin* (Institut Teknologi Bandung) &amp; C. I. Abdullah (Institut Teknologi Bandung)</td>
</tr>
<tr>
<td>12:10</td>
<td>Lunch</td>
</tr>
<tr>
<td>13:30</td>
<td>Th P6 09 - Automatic Estimation of the 3D CRS Attributes by a Metaheuristic-based Optimization - Y. Xie* (Institute of Geophysics, University of Hamburg)</td>
</tr>
<tr>
<td>13:55</td>
<td>Th P6 10 - Preserved Traveltime Smoothing on Azimuthally Dependent Orthorhombic Media - S. Xu* (Norwegian University of Science &amp; Technology) &amp; A. Stovas (Norwegian University of Science &amp; Technology)</td>
</tr>
<tr>
<td>14:20</td>
<td>Th P6 11 - Constrained Local Joint Tomographic Inversion with Adaptive Grid - J. Liu* (Statoil), D. Wang (Statoil), S. Xu (Statoil) &amp; H. Zhou (Statoil)</td>
</tr>
<tr>
<td>14:45</td>
<td>Th P6 12 - Constraining Acoustic Impedance Inversion by Seismic-processing Velocities - Y. Wang* (University of Saskatchewan) &amp; J.B. Morozov (University of Saskatchewan)</td>
</tr>
<tr>
<td>15:10</td>
<td>Break</td>
</tr>
</tbody>
</table>
e-Poster presentations Thursday 2 June

Note: the abstract number indicates the specific day, location and order of the session (day – location – order).

**e-Poster presentations**

**Room: L101**

**Thursday 2 June**

**08:30**

**Th P7 01 - Developing a Naturally Fractured Reservoir for Underground Gas Storage -**
B. Toelle* (University of Wyoming) & M. Stellas (Spectra Energy)

**08:55**

**Th P7 02 - Study of Seismic Properties of Statistical Model of Fault Zone -**
D. Kolyukhin* (Trofimuk Inst. of Petroleum Geology & Geophysics), V. Lisitsa (Trofimuk Inst. of Petroleum Geology & Geophysics), M. Protasov (Trofimuk Inst. of Petroleum Geology & Geophysics), D. Qu (Uni Research CIPR), V. Tcheverda (Trofimuk Inst. of Petroleum Geology & Geophysics), J. Tveranger (Uni Research CIPR) & D. Vishnevsky (Trofimuk Inst. of Petroleum Geology & Geophysics)

**09:20**

**Th P7 03 - Sensitivity of Reservoir Performance to Fault Zone Architecture -**
D. Qu* (Uni Research CIPR) & J. Tveranger (Uni Research CIPR)

**09:45**

**Th P7 04 - Seismic Driven 3D Geomechanical Model of Lower Paleozoic Shale Formation (Eastern Europe) – Case Study -**
M. Słota-Valim* (Oil & Gas Institute NRI), K. Sowiz ˙dz ˙ał (Oil & Gas Institute NRI) & H.B. Jedrzejowska-Tyczkowska (Oil & Gas Institute)

**10:10**

Break

**10:30**

**Th P7 05 - Noise Removal and Fracture Analysis in Borehole Images Using Mathematical Morphology and Compressive Sensing -**
Z.M. Zhu* (China University of Petroleum-Beijing), J.S. Shen (China University of Petroleum-Beijing) & H. Yu (China University of Petroleum-Beijing)

**10:55**

**Th P7 06 - Pressure Transient of Multiple Fractured Horizontal Well in Shale Gas Reservoir Considering Non-planer Fractures -**
R.H. Zhang* (Southwest Petroleum University), L.H. Zhang (Southwest Petroleum University), R.H. Wang (China National Oil and Gas Exploration and Deve) & Y.L. Zhao (Southwest Petroleum University)

**11:20**

**Th P7 07 - A Close Relationship between Lithofacies, Mineralogy and Pore Characteristics, Horn-River Shale, Canada -**
J.H. Jin* (KIGAM), J.Y. Lee (KIGAM), Y.M. Oh (KIGAM), J. Kim (KIGAM) & J. Moon (KIGAM)

**11:45**

Lunch

**12:10**

Break

**13:30**

**Th P7 09 - Numerical Modeling of Naturally Fractured Carbonate Reservoir Based on Outcrops of Crato Formation, NE Brazil -**
R.F.V.C. Santos* (Federal University of Pernambuco), I.F. Gomes (Federal University of Pernambuco), T.S. Miranda (Federal University of Pernambuco), J.A. Barbosa (Federal University of Pernambuco), L.J.N. Guimarães (Federal University of Pernambuco), E. McKinnon (JSG-UTexas) & R. Marrett (JSG-UTexas)

**13:55**

**Th P7 10 - Multifractal Properties of Fracture Network in Sefrou Carbonate Reservoir (Morocco) -**
M. Rouai* (Meknes University)

**14:20**

**Th P7 11 - Assessing the Validity and Limitations of Dual-porosity Models Using Geological Well Testing for Fractured Formations -**
D. Egys* (Heriot Watt University), S. Geiger (Heriot Watt University), P. Corbett (Heriot Watt University), K. Bisdom (Delft University of Technology), G. Bertotti (Delft University of Technology) & H. Bezerra (Federal University of Rio Grande do Norte)

**14:45**

**Th P7 12 - The Impact of Rock Wettability in Fractured Reservoirs Behavior -**
M.G. Correia* (State University of Campinas), C. Maschio (State University of Campinas), J. Hohendorn (State University of Campinas) & D.J. Schiozer (State University of Campinas)
Student Programme Thursday 2 June

Note: the abstract number indicates the specific day, location and order of the session (day – location – order).

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 1</th>
<th>Session 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30</td>
<td>Th SP1 01 - Anisotropic Source Mechanism Construction and Waveform Modelling - N. Bätz* (Freie Universität Berlin) &amp; S.A. Shapiro (Freie Universität Berlin)</td>
<td>Th SP2 01 - Attribute Analysis of Fractured Reservoir - A Case Study from the Carpathian Basement - M. Drevala* (AGH University of Science and Technology)</td>
</tr>
<tr>
<td>08:55</td>
<td>Th SP1 02 - Seismic Imaging of Salt-influenced Compressional Folds - D.C. Castillo Valencia* (University of Stavanger), C. Botter (University of Stavanger), S. Hardy (University of Barcelona) &amp; N. Cardozo (University of Stavanger)</td>
<td>Th SP2 02 - Frequency-dependent Velocity Analysis and Offset-dependent Low-frequency Anomalies from Hydrocarbon-filled Reservoir - S.S. Ahmad* (University of Stavanger), R.J. Brown (University of Stavanger) &amp; A. Escalona (University of Stavanger)</td>
</tr>
<tr>
<td>09:20</td>
<td>Th SP1 03 - Using Effective Medium Theory to Better Constrain Full Waveform Impedance Equalization - M. Afanasiev* (ETH Zurich), L.G. Han (Jilin University), Z.Y. Jin (Jilin University) &amp; J. Sangwai (Indian Institute of Technology)</td>
<td>Th SP2 03 - Analysis of the Geothermal Anomaly from the Romanian Part of the Pannonian Basin - A.J. Micu* (University of Bucharest)</td>
</tr>
<tr>
<td>09:45</td>
<td>Th SP1 04 - Testing and Comparing Stacks of Different Seismic Attributes for Micro-Seismic Event Detection - F. Motz* (Freie Universität Berlin), J. Kummerow (Freie Universität Berlin) &amp; S.A. Shapiro (Freie Universität Berlin)</td>
<td>Th SP2 04 - Characterization of Lower Cretaceous Clastic Wedges in the Southwestern Barents Sea Using Seismic Attributes - J. Iqbal* (University of Stavanger) &amp; A. Escalona (University of Stavanger)</td>
</tr>
<tr>
<td>10:10</td>
<td>Lunch</td>
<td>Lunch</td>
</tr>
<tr>
<td>10:30</td>
<td>Th SP1 05 - Passive Source Illumination Compensation Based Full Waveform Inversion - P. Zhang* (Jilin University), L.G. Han (Jilin University), Z.Y. Jin (Jilin University) &amp; F.J. Zhang (Jilin University)</td>
<td>Th SP2 05 - Early Cretaceous Basin Margin Development in the SW Barents Sea, Norway - D. Marin* (University of Stavanger) &amp; A. Escalona (University of Stavanger)</td>
</tr>
<tr>
<td>10:55</td>
<td>Th SP1 06 - Seismic Wavelet Estimation through Phase Retrieval - S. Vafaee Shoosharti* (University of Tehran) &amp; A. Gholami (University of Tehran)</td>
<td>Th SP2 06 - Combining Supervised and Unsupervised Method with Expert Knowledge for Seismic Facies Analysis in SeisAnfis Software - S.H. Hadiloo* (ACECR) &amp; H. Hashemi Shahdani (University of Tehran)</td>
</tr>
<tr>
<td>11:20</td>
<td>Th SP1 07 - The Frequency-dividing Multiple Matching and Subtraction Technology Based on Shearlet Transform - J. Sun (Jilin University), D.L. Wang (Jilin University), T.X. Wang (Jilin University), Y.Z. Su (Jilin University) &amp; Y.F. Qi* (Jilin University)</td>
<td>Th SP2 07 - Development of Plug-in for Eigen-structure Based Coherence and its Application of 2-D and 3-D Seismic Data - A. Das* (Indian School of Mines) &amp; S.A. Shapiro (Freie Universität Berlin)</td>
</tr>
<tr>
<td>11:45</td>
<td>Th SP1 08 - Implementation of Improved Reverse-time Migration via Acoustic Impedance Equalization - G.H. Lee* (Inha University), Y. Park (Inha University), S. Cheong (KIGAM) &amp; S. Pyun (Inha University)</td>
<td>Th SP2 08 - Fracture Characterization Based on Coherence and Bidimensional Empirical Mode Decomposition - J.W. Zhang* (China University of Petroleum) &amp; H.D. Huang (China University of Petroleum)</td>
</tr>
<tr>
<td>12:10</td>
<td>Lunch</td>
<td>Lunch</td>
</tr>
</tbody>
</table>

**WELL PERFORMANCE AND WELL TESTS**

M. Kotenev (Sasol Petroleum International) & V. Badia

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 1</th>
<th>Session 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:30</td>
<td>Th SP1 09 - Annufl Flow Modelling in in Advanced Well Completion - M. MoradiDoulatabad (Heriot-Watt University), M. Abdollahi* (Islamic Azad University), H. Vafaei (Islamic Azad University) &amp; F. Rashidi (AmriKabir University of Technology)</td>
<td>Th SP2 09 - Investigation of Gas Flow in Shale Gas Reservoirs in the Transition Regime - C. Christou* (Heriot-Watt University) &amp; K. Dadzie (Heriot-Watt University)</td>
</tr>
<tr>
<td>13:55</td>
<td>Th SP1 10 - The Influence of Discontinuities in the Reservoir on Well Productivity - E.V. Andriyanova* (Samara State Technical University)</td>
<td>Th SP2 10 - A Simulation Study for Optimum Production Strategy in Small Size Tight Gas Reservoirs - H. Salman* (Department of Mining &amp; Geology, The Technical Uni) &amp; O. Anwar (University of Engineering &amp; Technology)</td>
</tr>
<tr>
<td>14:20</td>
<td>Th SP1 11 - Optimization of Multilateral Well Productivity in Carbonate Reservoirs - T. Ayajli (The Petroleum Institute) &amp; M. Hossein* (The Petroleum Institute)</td>
<td>Th SP2 11 - Polymer Enhanced Gas Production from Methane Hydrate Reservoir - M. Agrawal* (Indian Institute of Technology), G. Bhargava (Indian Institute of Technology) &amp; J. Sangwai (Indian Institute of Technology)</td>
</tr>
<tr>
<td>14:45</td>
<td>Th SP1 12 - Carbonate Acidizing Optimization in Iranian Oil Field - H. Asadzam* (Petroleum University of Technology) &amp; B.S. Soulmani (Petroleum University of Technology)</td>
<td></td>
</tr>
<tr>
<td>15:10</td>
<td>Lunch</td>
<td>Lunch</td>
</tr>
</tbody>
</table>

**SEISMIC PROCESSING, IMAGING AND MODELLING**

T. Bredebeck (Winterhalter Noordzee BV)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 1</th>
<th>Session 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:00</td>
<td>Th SP1 01 - Anisotropic Source Mechanism Construction and Waveform Modelling - N. Bätz* (Freie Universität Berlin) &amp; S.A. Shapiro (Freie Universität Berlin)</td>
<td>Th SP2 01 - Attribute Analysis of Fractured Reservoir - A Case Study from the Carpathian Basement - M. Drevala* (AGH University of Science and Technology)</td>
</tr>
<tr>
<td>08:55</td>
<td>Th SP1 02 - Seismic Imaging of Salt-influenced Compressional Folds - D.C. Castillo Valencia* (University of Stavanger), C. Botter (University of Stavanger), S. Hardy (University of Barcelona) &amp; N. Cardozo (University of Stavanger)</td>
<td>Th SP2 02 - Frequency-dependent Velocity Analysis and Offset-dependent Low-frequency Anomalies from Hydrocarbon-filled Reservoir - S.S. Ahmad* (University of Stavanger), R.J. Brown (University of Stavanger) &amp; A. Escalona (University of Stavanger)</td>
</tr>
<tr>
<td>09:20</td>
<td>Th SP1 03 - Using Effective Medium Theory to Better Constrain Full Waveform Impedance Equalization - M. Afanasiev* (ETH Zurich), L.G. Han (Jilin University), Z.Y. Jin (Jilin University) &amp; J. Sangwai (Indian Institute of Technology)</td>
<td>Th SP2 03 - Analysis of the Geothermal Anomaly from the Romanian Part of the Pannonian Basin - A.J. Micu* (University of Bucharest)</td>
</tr>
<tr>
<td>09:45</td>
<td>Th SP1 04 - Testing and Comparing Stacks of Different Seismic Attributes for Micro-Seismic Event Detection - F. Motz* (Freie Universität Berlin), J. Kummerow (Freie Universität Berlin) &amp; S.A. Shapiro (Freie Universität Berlin)</td>
<td>Th SP2 04 - Characterization of Lower Cretaceous Clastic Wedges in the Southwestern Barents Sea Using Seismic Attributes - J. Iqbal* (University of Stavanger) &amp; A. Escalona (University of Stavanger)</td>
</tr>
</tbody>
</table>

**SEISMIC INTERPRETATION AND ATTRIBUTE ANALYSIS**

P.D. Lys (Total Exploration & Production Norge AS)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 1</th>
<th>Session 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:30</td>
<td>Th SP1 09 - Annufl Flow Modelling in in Advanced Well Completion - M. MoradiDoulatabad (Heriot-Watt University), M. Abdollahi* (Islamic Azad University), H. Vafaei (Islamic Azad University) &amp; F. Rashidi (AmriKabir University of Technology)</td>
<td>Th SP2 09 - Investigation of Gas Flow in Shale Gas Reservoirs in the Transition Regime - C. Christou* (Heriot-Watt University) &amp; K. Dadzie (Heriot-Watt University)</td>
</tr>
<tr>
<td>13:55</td>
<td>Th SP1 10 - The Influence of Discontinuities in the Reservoir on Well Productivity - E.V. Andriyanova* (Samara State Technical University)</td>
<td>Th SP2 10 - A Simulation Study for Optimum Production Strategy in Small Size Tight Gas Reservoirs - H. Salman* (Department of Mining &amp; Geology, The Technical Uni) &amp; O. Anwar (University of Engineering &amp; Technology)</td>
</tr>
<tr>
<td>14:20</td>
<td>Th SP1 11 - Optimization of Multilateral Well Productivity in Carbonate Reservoirs - T. Ayajli (The Petroleum Institute) &amp; M. Hossein* (The Petroleum Institute)</td>
<td>Th SP2 11 - Polymer Enhanced Gas Production from Methane Hydrate Reservoir - M. Agrawal* (Indian Institute of Technology), G. Bhargava (Indian Institute of Technology) &amp; J. Sangwai (Indian Institute of Technology)</td>
</tr>
<tr>
<td>14:45</td>
<td>Th SP1 12 - Carbonate Acidizing Optimization in Iranian Oil Field - H. Asadzam* (Petroleum University of Technology) &amp; B.S. Soulmani (Petroleum University of Technology)</td>
<td></td>
</tr>
</tbody>
</table>

**UNCONVENTIONAL RESOURCES**

C. Steiner-Luckabauer (HDT Engineering GmbH)