

Wednesday, 10 September

- 8:30-9am **Seismic Repeatability: Is there a Limit?**, Estelle Schissle, CGGVeritas
- 9-9:30am **Geomechanical & Petrographical Characterization of Oficina Fm, Venezuela**, Claudio Rabe, Schlumberger
- 9:30-10am **Borehole Radar Measurements to Detect Steam/Water Breakthrough in Individual Horizontal Well Segments**, Mattia Miorali, Delft University of Technology
- 10-10:30am Coffee Break
- **Gas Hydrates**
Session Chairman: Nader Dutta & Doug Murray
- 10:30-11am **Keynote Speaker: India Gas Hydrate Program: Recent Advances & the Road Ahead**, Malcom Lall, Dir. General Hydrocarbon in India
- 11-11:30am **Gas Hydrate Reservoir Model Around the Eastern Nankai Trough - Offshore Japan**, Takao Inamori, Japan Oil
- 11:30am-12:30pm Lunch
- 12:30-1pm **Seismic Characterization of Gas Hydrates in Northern Gulf of Mexico**, Nader Dutta, Schlumberger
- 1-1:30pm **The Rock Physics Model of Gas Hydrate Bearing Sediments**, Takao Inamori, Japan Oil
- 1:30-2pm **Gas hydrates: Future Full of Energy**, Veera Keshavan, Rajiv Gandhi College of Engineering
- 2-2:30pm **Developments in Geophysical Well Log Acquisition & Interpretation in Gas Hydrate Saturated Reservoirs**, Doug Murray, Schlumberger China
- 2:30-3pm Coffee Break

- 3-3:30pm **Towards Seismic Detection & Characterization of Gas Hydrates - Canada**, Gilles Bellefleur, Geological Survey of Canada
- 3:30-4pm **Seismic Estimation of Hydrates and its Uncertainties**, Jianchun Dai, Schlumberger
- 4-4:30pm End of Day Discussion
- 6-8pm Gala Dinner

Thursday, 11 September

- 7-7:45am Breakfast
- **CO₂ Coal Bed Methane**
Session Chairman: Dwight Peters & Juan Soldo
- 7:45am Opening Remarks
- 8-8:30am **Keynote Speakers: The Future of Geothermal Energy in the U.S.**, Mack Kennedy, Lawrence Berkeley National Lab
- 8:30-9am **Technical & Commercial Challenges in Carbon Storage**, Dwight Peters, Schlumberger
- 9-9:30pm **Keynote Speakers: Petroleum Systems Including Unconventional Reservoirs in Intrusive Igneous Rocks**, Daniel Delphino, Repsol-YPF, Argentina Onshore Exploration
- 9:30-10pm **Successful Identification of Complex Cleat Systems in Coals**, Ahmed Al Jubori, Schlumberger
- 10-10:30am Coffee Break
- 10:30-11am **Monitoring of CO₂ Sequestration in a Depleted Gas Reservoir: The Otway Project**, Tom Daley, Lawrence Berkeley National Lab
- 11-11:30am **Technologies for Monitoring & Verification of CO₂ Stored in Unconventional Venues**, Dan Kieke, Chevron
- 11:30am-12:30pm.. Lunch

- 12:30-1pm **Technology Options for Capture of CO₂ from Oil Sands Operations**, Raja Jadhav, Chevron
- 1:00-1:30pm **Geological & Geophysical Characterization of Caprocks...Field Considered for CO₂ Underground Storage**, Michel Dietrich, IFP
- 1:30-2pm **Unlocking CBM & Shale Gas Reservoirs**, Isabelle Tardy, Schlumberger Information Solutions
- 2-2:30pm End of Day Discussion
- 2:30-3:30pm Closing Discussion and Remarks

SEG/EAGE Organizing Committee

- Ali Tura, SEG Chairman
 Nader Dutta, EAGE Chairman & Technical Program Co-chair
 James Schuelke, Technical Program Co-chair
 Larry Myer
 Juan Soldo
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SEG/EAGE SUMMER RESEARCH WORKSHOP



Unconventional Resources

7-11 September 2008



Meeting Schedule

SRW Schedule

Sunday, 7 September

3-6:30pm Registration
6:30-8pm Ice Breaker

Monday, 8 September

7-7:45am Breakfast

► Why Unconventional Resources?

Session Chairman: Nafi Toksoz

7:45am Opening Remarks

8-8:30am **Key Note Speaker: Lessons from the Frontier - British Columbia Unconventional Resources**, David Molinski, OnPoint Consulting

8:30-9am **Unconventional Gas - Beyond North America**, Chris Hopkins, Schlumberger

9-9:30am **The Challenges & Opportunities of Thermal Heavy Oil Projects**, Will Yakymshyn, Devon Canada Corporation

9:30-10am **The Future of Rock Physics: Imaging & Computing**, Jack Dvorkin, Stanford & Ingrain, Inc.

10-10:30am Coffee Break

► Tight Gas

Session Chairman: Jim Schuelke & Peter Duncan

10:30-11:00am **Keynote Speaker: Regional Mapping in the Marcellus Shale**, Jack Ward, PetroEdge

11-11:30am **Understanding the Petrophysics of Horn River Shales**, Salman Khalid, Schlumberger

11:30-12:30pm Lunch

12:30-1pm **Reservoir Characterization of High-Impedance (Tight) Sands in the Ada Field, LA**, Rajendra Shrestha, ConocoPhillips

1-1:30pm **Using Seismic Attributes to Characterize Reservoir Potential, Plumbing & Risk**, Heloise Lynn, Lynn, Inc.

1:30-2pm **Exploring the Link Between Surface Seismic, Borehole & Microseismic Data in the Barnett Shale**, Jamie Rich, Devon

2-2:30pm **What makes your shale special?**, Mark Larsen, Schlumberger

2:30-3pm **Woodford Shale Gas in Oklahoma 2008**, Charles Wickstrom, Spyglass Energy Group, LLC

3-3:30pm Coffee Break

3:30-4pm **Tight Reservoir Seismic Technology - P-Wave Azimuthal Analysis**, Galen Treadgold, Weinman GeoScience

4-4:30pm **Azimuthal Velocity Analysis and Fractured Reservoirs**, Mark Wallace, ION/GXT Imaging Solutions

4:30-5pm End of Day Discussion

Tuesday, 9 September

7-7:45am Breakfast

► Tight Gas

7:45am Opening Remarks

8-8:30am **Using Full-Wave, Full Azimuth Seismic Data to Exploit a Tight Fractured Gas Reservoir - Part 1 Acquisition and Processing**, Michael Hall, ION GXT Imaging Solutions

8:30-9am **Using Full-Wave, Full Azimuth Seismic Data to Exploit a Tight Fractured Gas Reservoir - Part 2**, John Tinnin, ION GXT Imaging Solutions

9-9:30am **Fracture Imaging Using Passive Seismic and Deformation Monitoring**, Shawn Maxwell, Pinnacle Technologies

9:30-10am **Microseismic Monitoring Applications to Unconventional Resource Development**, Peter Duncan, MicroSeismic, Inc.

10-10:30am Coffee Break

10:30-11am **Rating the Effectiveness of Hydraulic Fractures in Tight Gas Formations Using Seismic Data**, Mark Willis, Earth Resources Lab, MIT

11-11:30am **3-D Geomechanical Modeling of a Tight Gas Reservoir, Rulison Field, CO**, Kurtis Wikel, Talisman Energy

11:30-12:30pm Lunch

► Heavy Oil

Session Chairman: Ali Tura

12:30-1pm **Keynote Speaker: The Role of Technology in the Long Term Success of Heavy Oil Development**, Greta Lydecker, Chevron

1-1:30pm **Heavy Oil Chemistry Governing Viscosity: Correlating Lab Methods**, Merrick Johnston, Colorado School of Mines

1:30-2pm **Imaging Heavy Oil Reservoir Heterogeneities Using Seismic Inversion**, Baishali Roy, ConocoPhillips

2-2:30pm **Impact of Geomechanics on SAGD Process for Heavy Oil Reservoirs in Venezuela**, Claudio Rabe, Schlumberger

2:30-3pm **4D Seismic in Brazil: Experience in Heavy Oil Deep Water Turbidites Reservoirs**, Carlos Abrew, Petrobras

3-3:30pm Coffee Break

3:30-4pm **3D Seismic Survey for Shallow Heavy Oil Targets**, Robert Whale, Shell Oil Co.

4-4:30pm **Tar Sand Production Monitoring: A Case Study**, Dominique Dubucq, Total

4:30-5pm End of Day Discussion

Tuesday, 9 September

5:30-6:30pm **Poster Session**

► Heavy Oil

■ **Viscosity and Q in Seismic Modeling of Heavy Oil Reservoirs**, Fereidoon Vasheghani, University of Calgary

■ **Viscoelastic Measurements and Modeling for Heavy Oil Samples**, Maria Luces Rojas, University of Houston

► Tight Gas

■ **Successful Identification of Complex Cleat Systems in Canada**, Salman Khalid, Schlumberger

■ **Understanding Seismic Repeatability in Presence of Irregular Near Surface Conditions**, Yousuf Al-Jabri, Curtin University

Wednesday, 10 September

7-7:45am Breakfast

► Heavy Oil

7:45am Opening Remarks

8-8:30am **Routine Geoelectric Exploration for Shallow Gas & Oil Sands using Electrical Resistivity Tomography (ERT)**, Paul Bauman, Worley-Parsons