

Applied Geoscience Conference

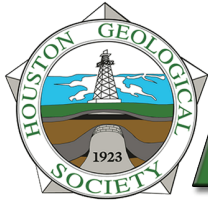
March 7 - 8, 2017

Oral Presentations – Tuesday, March 7, 2017

7:00 - 8:00	Registration and Coffee	
8:00 - 8:10	Welcome and Opening Remarks: Frank Walles , <i>Conference Chair</i> and John Jordan , <i>HGS President</i>	
Session 1: Diagenetic Components of Mudrocks and Their Impact on Production Session Chairs: Tina Calvin and Neil Fishman		
8:10 - 8:45	Diagenesis in Mudrocks and Its Importance in Unconventional Resource Plays	Neil Fishman , <i>Hess Corporation</i>
8:45 - 9:20	Diagenesis of Ash Beds in Mudrocks and their Impact on Production	Christina Calvin , <i>Consultant</i> H. Gamero-Diaz, L. Mosse, R. Malpani, C.K. Miller, J. Xu, and K. Fisher, <i>Schlumberger</i>
9:20 - 9:55	DNA Sequencing: A New Subsurface Diagnostic to Maximize Reservoir Production	Liz Percak-Dennett and Ajay Kshatriya <i>Biota Technology, Inc.</i>
9:55 - 10:20	Coffee, Core Displays and Exhibitor Presentations	
Session 2: Nanoscale Intra-Kerogen Porosity and Hydrocarbon Phase Producibility/Wettability Session Chairs: Avrami Grader and James Macquaker		
10:20 - 10:55	What Are We Doing About EOR in Shale and Tight Formations?	Dr. James Sheng , <i>Texas Tech PE Lead of DOE Consortium – Unconventionals</i>
10:55 - 11:30	The Interaction of Organic and Inorganic Matter: Impact on Composition and Fractionation of Petroleum	Dan Jarvie , <i>TCU Energy Institute</i>
11:30 - 12:35	Lunch, Poster, Core Displays and Exhibitor Presentations	
12:00 - 12:35	Luncheon Key Note Talk Earthquakes in Oklahoma: Trends in Injection Induced Seismicity and Regulatory Responses	Jeremy Boak , <i>Director, Oklahoma Geological Survey</i>
Session 3: Predicting Petrophysical Flow Properties Using Digital Rock Physics Session Chairs: Taras Bryndzia and Timothy Diggs		
12:35 - 1:10	Insights Into Segmentation and Related Problems of Predicting 3D Properties from 2D Images	Nishank Saxena , Ronny Hofmann , Seán Dolan , <i>Shell International Exploration & Production</i> . Gary Mavko , <i>Stanford University</i>
1:10 - 1:45	Upscaling in Numerical Simulation of Shale Transport Properties by Coupling Molecular Dynamics Simulation with Lattice Boltzmann Method	Yang Ning , Shuai He , Guan Qin <i>University of Houston</i>
1:45 - 2:20	Investigation of New Production Targets in the Springer Shale within the South Central Oklahoma Oil Province (SCOOP) Utilizing the Latest Digital Rock Analysis Techniques	Bryan Guzman , Tiffany Rider , Joel Walls <i>Ingrain Inc.</i>
2:20 - 2:45	Coffee, Core Displays and Exhibitor Presentations	
Session 4: Geophysical Methods for Producibility, Fracability and GeoHazards Session Chairs: Thomas Reed and Lisa Neelen		
2:45 - 3:20	Examining the Role of Fluid versus Stress in Refractures using Microseismicity	Adam Baig , Ted Urbancic , and Mike Preiksaitis , <i>ESG Canada Inc.</i>
3:20 - 3:55	Exploiting Microseismic Event Characterization to Optimize Completion Strategies	Jamie Rich and Dan Kahn , <i>Devon</i>
3:55 - 4:00	Closing Comments, Invitation to Posters and Core Sessions	
4:00 - 6:00	Core, Exhibitor and Poster Presentations	

Poster Session – Invited Presentations

Open During All Coffee and Lunch Breaks • Allison Hall, Main Conference Room



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March 7 - 8, 2017

Oral Presentations – Wednesday, March 8, 2017

7:00 - 8:00	Registration and Coffee	
8:00 - 8:10	Welcome and Opening Remarks: Frank Walles , <i>Conference Chair</i>	
Session 5: Hybrid Unconventional Opportunities Session Chairs: Obie Djordjevic and Barbara Hill		
8:10 - 8:45	Developing a High-Resolution Understanding of Variations in Sedimentological and Petrophysical Property Space in a Thinly-Bedded Reservoir: Improving Predictions Through Cross-Disciplinary Collaboration and Data Integration	Stephanie Perry , Dawn Hayes, <i>Anadarko</i>
8:45 - 9:20	Enhancing Performance of a Wolfberry Play via Comprehensive Integrated Petrophysical Analysis	Tim McGinley , <i>Laredo Petroleum</i>
9:20 - 9:55	Dynamic Flow Behavior Using Shale Rock Model for Recovery Analysis	Richard MacDonald , Steve Geetan, <i>EP Energy</i> ; Denis Klemin, <i>Schlumberger</i>
9:55 - 10:25	Coffee, Core Displays and Exhibitor Presentations	
Session 6: Tight/Complex Reservoir Opportunities Session Chairs: Mark Andreason and Matt Williams		
10:25 - 11:00	Tight Oil Reservoirs of the Bone Spring Sands – An Example of Low Resistivity Low Contrast Pay	Randy Miller , <i>Core Lab</i>
11:00 - 11:35	Sweet Spot Identification in the Western Anadarko Basin	Jacob Shumway , Brenden Curran, <i>FourPoint Energy</i>
11:35 - 1:00	Lunch, Poster, Core Displays and Exhibitor Presentations	
1:00 - 1:10	Poster Awards Presentation	
Session 7: Geo-Engineered Completions Session Chairs: Luis Baez and Eric Michael		
1:10 - 1:45	Appraising and Developing Your Mudrocks: How to Avoid Squandering Billions of Dollars Next Time	Cretis Jenkins , Mark McLane, <i>Rose & Associates</i>
1:45 - 2:20	Reducing Subsurface Uncertainties through Formation Evaluation for Improvement of Engineering Solutions of Unconventional Plays	David Gadzhimirzaev , Umesh Prasad, <i>Baker Hughes Inc.</i>
2:20 - 2:55	Completion Optimization Using Both Vertical and Horizontal Measurements, an Eagle Ford Shale Case Study	William (Bill) Kreimeier , <i>Lonestar Resources</i> ; Maraden Panjaitan, Kevin Fisher, Raj Malpani, Jian Xu, Danny McMillan, <i>Schlumberger</i>
2:55 - 3:25	Coffee, Core Displays and Exhibitor Presentations	
Session 8: Operator Cases of Integrated Applied Geoscience for Fun and Profit Session Chairs: John Breyer and Raj Malpani		
3:25 - 4:00	Advanced Core Analysis Methodologies Quantify and Characterize Prolific Liquid Hydrocarbon Quantities in the Vaca Muerta Shale	R. D. Williams , D. M. Willberg, D. Handwerger, D. Ekart, <i>Schlumberger</i> ; J. Petriello; R. Suarez-Rivera, <i>Von Gonten Labs</i>
4:00 - 4:30	Utilizing Integrated Fracture Characterization Workflows to Optimize Eagle Ford Development Strategies	Roy Wilty , A.J. Herra, Lance Wilson, Adriana Fernandez, Nabil Eldam, <i>Marathon</i>

Core Displays - Core Display Chairs: Bruce Woodhouse and Taras Bryndzia

Selected Core from Emerging and Established Unconventional Reservoirs Supporting the Oral Technical Presentations

Thanks to the Contributors

Shell – Utica/Pt. Pleasant Formations • Anadarko Petroleum Corporation – Wolfcamp

Open During Coffee and Lunch Breaks • Allison Hall, Rooms 16-17