



# Applied Geoscience Conference

May 18, 2015

## Oral Presentations – Monday, May 18, 2015

<b>7:00</b>	<b>Registration and Coffee</b>	
<b>8:00 - 8:10</b>	<b>Welcome and Opening Remarks:</b> Lans Taylor, Committee Chairman and Ken Nemeth, HGS President	
	<b>Session 1: Geological Mechanics of Unconventionals</b> Lans Taylor, Simon Kattenhorn	
<b>8:10 - 8:40</b>	Geomechanical Characterization of Unconventional Plays from Static and Dynamic Measurements.	<b>Malleswar Yenugu</b> , <i>Ikon Science Americas</i>
<b>8:40 - 9:10</b>	Impact of Heterogeneity on In-situ Stress of Unconventional Shale Formation	<b>Munir Aldin</b> , <i>Metarock</i>
<b>9:10 - 9:40</b>	Geomechanical Modeling of Hydraulic Fracturing: Importance of Mechanical Stratigraphy, Stress State, and Pre-Existing Structures	<b>Kevin Smart</b> , <i>Southwest Research Institute</i>
<b>9:40 - 10:10</b>	<b>Coffee, Posters, Exhibits</b>	
	<b>Session 2: Geophysical Geomechanics</b> Eva Krauss, Casee Lemons	
<b>10:10 - 10:40</b>	Acoustics Based Geomechanics – The Opportunities and Pitfalls	<b>Tom Bratton</b> , <i>Tom Bratton LLC</i>
<b>10:40 - 11:10</b>	Integrating Seismic and Microseismic to Understand Fault and Fracture Activity in Unconventional and Fractured Reservoirs	<b>Ross Peebles</b> , <i>Global Geophysical Services</i>
	<b>Session 3: Engineering Geomechanics</b> Gang Han, Robert Hurt	
<b>11:10 - 11:40</b>	An Experimental and Modelling Study for Geomechanical and Flow Characteristics of Eagle Ford and Vaca Muerta Shale Formations	<b>Dr. Azra N. Tutuncu</b> , <i>Petroleum Engineering Department and Unconventional Natural Gas and Oil Institute (UNGI), Colorado School of Mines</i>
<b>11:40 - 1:00</b>	<b>Lunch, Posters, Exhibits</b>	
<b>1:00 - 1:30</b>	Well Spacing, Fracture Spacing, Sequencing and Fluid Selection in Pad Fracturing of Horizontal Wells	<b>Mukul Sharma</b> , <i>The University of Texas at Austin</i>
<b>1:30 - 2:00</b>	Targeted Fracturing and Refracturing: A Discrete Fracture Network Geomechanical and Dynamic Simulation Approach to Reservoir Stimulation Alternatives	<b>Bill Dershowitz</b> , <i>Golder Associates</i>
<b>2:00 - 2:30</b>	Geomechanics Impact on Shale Reservoir Re-Fracturing	<b>Ibrahim Abou-Sayed</b> , <i>i-Stimulation Solutions</i>
<b>2:30 - 3:00</b>	<b>Coffee, Posters, Exhibits</b>	
	<b>Session 4: Value of Integration</b> Umesh Prasad, Shihong Chi	
<b>3:00 - 3:30</b>	Horizontal Hydraulic Fractures in Laminated Source Rocks?	<b>George Waters</b> , <i>Schlumberger</i>
<b>3:30 - 4:00</b>	3-D Integrated Workflow for Understanding the Fracture Interference and Its Impact into the Gas Production of the Woodford Shale	<b>Eva Peza</b> , <i>Black Swan Energy Services</i>
<b>4:00 - 4:30</b>	Realizing the Full Potential of Geomechanics by Adding Geophysics and Geology: Completion Optimization Using a Field Validated 3G Workflow	<b>Ahmed Ouenes</b> , <i>FracGeo</i>
<b>5:00 - 7:00</b>	<b>Social Hour – Fourth Floor Atrium</b> <b>Poster Presentations</b>	

## Tuesday, May 19, 2015

9 am – 11am Core Laboratories Rock Mechanics Technical Tour. Must be previously signed up by HGS Office Director.