

Program Schedule

Friday, 30 October, 2015	
08:00-14:00	Registration
08:00-08:45	Continental Breakfast
08:30-08:50	Keynote Speech Presentations Upload
Plenary Session (Auditorium)	
08:50-08:55	Safety Instruction
08:55-9:05	Welcoming Remarks Long Ma, President of CAPA and Symposium Chair
09:05-09:50	Technology and Innovation for Unconventionals in Current Times Claudia Hackbarth, Shell
09:50-10:20	North America Energy: Where do we go from here? Dawn Constantin, BP
10:20-10:40	Coffee Break
10:40-11:00	Technology Development and Exploitation to Maintain Competitive Advantage in a Volatile Oil Price Market Ken Tubman, ConocoPhillips
11:00-11:30	The CAPA/SEG Global Partnership William Barkhouse, Society of Exploration Geophysicists
11:30-12:00	Partners for Progress and Prosperity: Challenges and Opportunities Marinda Li Wu, 2013 President of the American Chemical Society
12:00-13:00	Luncheon (Lunch Area)
13:00-13:30	Sessions Speakers to Upload Presentation
Panel Discussion: Entrepreneurship & Business Development Facilitator: Tracy Pan, BP 13:30-17:00 Room 1012	
Panelists: Haiyang Li, Rice University Paul Wong, AAG Linhua Guan, Statoil	
Technical Sessions & Student Paper Contest 13:30-17:30	
Session A: Exploration & Exploitation	
Session B: Unconventional Resource Development	
Session C: Engineering & HSE	
Session D: Student Paper Contest I (Starting at 13:30)	
Session E: Student Paper Contest II (Starting at 13:30)	

Technical Sessions Schedule

Session A: Exploration & Exploitation

Session Chairs: Yining Li, TGS; Po-Ching Tai, Exxon; Lifan Yue, Chevron
Room 1021/1022

13:30-14:00	Sub-seismic Resolution in the Eagle Ford Enabled by Multi-Attribute Analysis in Paradise: Instantaneous, Geometric, and Spectral Decomposition Self Organizing Maps Patricia A. Santogrossi, Sr. Geoscience Consultant, Geophysical Insights
14:00-14:30	Application of Frequency-Dependent Traveltime Tomography and Full Waveform Inversion to the Shallow Surface Wide-Angle Seismic Data Jinxing Chen, Department of Earth Science, Rice University
14:30-15:00	Rift Structures in the Angola Margin: Block 0 Li-Fan Yue, Chevron
15:00-15:30	Coffee Break
15:30-16:00	Displacement Efficiency in Cement Job Demystified Dai Hu, Gefei Liu, Pegasus Vertex, Inc.
16:00-16:30	An Integrated G&G and Engineer Approach for Deepwater Reservoirs Enhances Commercial Results and Tackles the Challenges of the Abnormally Low Commodity Prices Jeff Chen, Halliburton

Session B: Unconventional Resource Development

Session Chairs: Jing Xiang, Geomechanics Technology; Zhenzhen Dong, Schlumberger; Kuo Chen Tsai, Shell
Auditorium

13:30-14:00	Reservoir Surveillance Pilot Study for Midland Basin Tight Oil Spacing Optimization Yula Tang, Baosheng Liang, Chevron N America Upstream
14:00-14:30	Peterhead Carbon Capture and Storage Yaqing Fan, Shell
14:30-15:00	Learning From A Hundred Years Old Oil Field Xin-Gong Li, Intseis
15:00-15:30	Coffee Break
15:30-16:00	Sub-seismic Resolution in the Eagle Ford Enabled by Multi-Attribute Analysis in Paradise: Instantaneous, Geometric, and Spectral Decomposition Self Organizing Maps Patricia A. Santogrossi, Sr. Geoscience Consultant, Geophysical Insights
16:00-16:30	Shell's Presence in Unconventional Plays in China: Today and Tomorrow Shu Shi, Marcus Tiang, Shell International E&P
16:30-17:00	Emerging Hydraulic Fracturing Execution Technologies in Unconventional Gas and Tight Oil Ernesto Fonseca, Yinghui Liu, Ben Mowad & Jennifer Gujral, Shell

Technical Sessions Schedule

Session C: Engineering & HSE

Session Chairs: Mark Chang, Technip; Chang Wang, Chevron; Hong Jin, Chevron
Room 1020/1023

13:30-14:00	Lessons Learned about Seismic Response of Offshore Structures in Centrifuge Modeling Jiun-Yih Chen, Energo Engineering
14:00-14:30	Elastic-Plastic Pull-In Strength and Damage Analyses of Steel Catenary Risers in Deepwater C.H.Luk, Engineering Consultant / Mark Chang, Technip
14:30-15:00	Clean Air Act and the Oil and Natural Gas Industry Jun Yang, Trinity
15:00-15:30	Coffee Break
15:30-16:00	CFD Analysis of Hazardous Gas Dispersion on Offshore Facilities Jianxin Lu, Halliburton
16:00-16:30	Flexible Riser Collapse Strength Calculation Tool Jing Lu, BasinTek LLC
16:30-17:00	A Technical Brief - Applications of Conductive Polymer Composites in Oil and Gas Industry Ken Gu, SOFEC Inc.

Session D: Student Paper Contest I

Judges: Meisong Yan; Billy Liu, Celanese Chemicals; Albert Ku, Energo Engineering
Room 1015

13:30-13:55	Field-Scale Modeling of Local Capillary Trapping During CO₂ Injection into a Saline Aquifer Bo Ren, Larry W. Lake, the University of Texas at Austin, Steven L. Bryant, University of Calgary
13:55-14:20	Reducing Fracture Modeling Uncertainties in Unconventional Reservoirs by Incorporating Microseismic Data and Unstructured Gridding Algorithms Jianlei (John) Sun, Texas A&M University
14:20-14:45	Pore-scale modeling of the effect of cementation on rock indentation test Zhuang Sun, University of Texas at Austin
14:45-15:10	Confinement Effect on Phase Behavior of Hydrocarbons in Nano-porous Media Sheng Luo, Texas A&M University
15:10-15:20	Coffee Break
15:20-15:45	The Resonant Influence of Wind Power Input to the Ocean Near-inertial Motions Using Different Wind Products in the Gulf of Mexico Chuan-Yuan Hsu, Ping Chang, and Matthew Howard, Texas A&M University
15:45-16:10	Controlled Release of Nutrients in Microbial Enhanced Oil Recovery by Polyelectrolyte Nanoparticles Weiwei Li, University of Kansas
16:10-16:35	Unified Finite Difference Modeling of Transient Flow in Naturally Fractured Carbonate Karst Reservoirs – A 3D Case Study Jie He, Texas A&M University
16:35-17:00	Judges' Meeting
17:00-17:30	Paper Contest Award

Student Paper Contest Schedule

Session E: Student Paper Contest II

Judges: Teng Xu, ExxonMobil; Linn S. Fang, LyondellBasell; Tai-Chang Shih
Room 1016

13:30-13:55	Achieving Highly Efficient, Selective, and Stable CO₂ Reduction on Nitrogen-doped Carbon Materials Mingjie Liu, Rice University
13:55-14:20	Elastic Properties of Salt: Lab Measurements and Log Data Analysis Jingjing Zong, Robert R. Stewart, Nikolay Dyaur and Michael T. Myers, University of Houston
14:20-14:45	Estimating Nitrogen Oxides (NO_x) Emissions from U.S. Shale Plays using an Integrated Top-down and Bottom-up Approach Chih-Yuan (Andy) Chang and Dr. Kuo-Jen Liao, Texas A&M University-Kingsville
14:45-15:10	CFD Modeling of Emissions from Flares Anan Wang, Vijaya Damodara, Ajit Patki, and Arokiaraj Alphones, Daniel H. Chen, Helen H. Lou, Xianchang Li, Christopher Martin, Lamar University,
15:10-15:20	Coffee Break
15:20-15:45	Experiment and Simulation on Foam Transport for Enhanced Oil Recovery Yongchao Zeng, Rice University
15:45-16:10	Rational Design of Industrially-Relevant One-dimensional Zeolite Catalysts Rui Li, Manjesh Kumar, Jeffrey D. Rimer, University of Houston
16:10-16:35	Spatio-temporal Features of the Sequential NO_x Storage and Reduction and Selective Catalytic Reduction Reactor System Mengmeng Li, Vencon G. Easterling, Michael P. Harold, University of Houston
16:35-17:00	Judges' Meeting
17:00-17:30	Paper Contest Award