



Best of RPSEA 10 years of Research Ultra-Deepwater and Onshore Technology Conference

Tuesday, August 30, 2016

Time		Track 1: Ultra-Deepwater (Ballrooms C&D, 3rd Floor)	Track 2: Ultra-Deepwater (Ballrooms A&B, 3rd Floor)
7:30 AM	8:30 AM	Continental Breakfast & Registration (Foyer outside Ballrooms A&B, 3rd Floor)	
8:30 AM	9:30 AM	OPENING SESSION (Ballrooms A&B, 3rd Floor)	
8:30 AM	8:45 AM	Introduction and Safety Protocols - Bill Head, Senior Manager, UDW, RPSEA	
8:45 AM	9:00 AM	RPSEA Welcome - James Pappas, Executive Vice President and Ultra-Deepwater Programs Vice President, RPSEA	
9:00 AM	9:30 AM	SPE-GCS Chair's Message - Industry Activity - Ivor Ellul, 2015-2016 SPE-GCS Chair	
9:30 AM	9:45 AM	BREAK	
Room/ Session 1/ Chairs:		Flow Assurance Jeff Creek (Letton Hall Group) & James Pappas (RPSEA)	Dry Tree Structures; Riser Systems I Michelle Zhang (Chevron) & Ricky Thethi (2H Offshore)
9:45 AM	10:30 AM	10121-4204-01: Corrosion and Scale at Extreme Temperature and Pressure - Paula Guraieb, Tomson Technologies	10121-4402-01: Qualification of Flexible Fiber-Reinforced Pipe for 10,000 ft Water Depths - Todd Anderson, GE Global Research
10:30 AM	11:30 AM	10121-4202-01: Hydrate Formation in Water Continuous and Partially Dispersed Systems - Carolyn Koh, Colorado School of Mines; Vinod Veedu, Oceanit; Björn Paulsson, Paulsson, Inc.	11121-5404-03: VIM Study for Deep Draft Column Stabilized Floaters - Arun Antony, Houston Offshore Engineering
11:30 AM	1:00 PM	LUNCHEON (Mainsail, 2nd Floor) Fiber Optic Seismic Vector Sensor (FOSS) tracking of Acoustic Micro Emitters (AME) to Optimize Unconventional Oil and Gas (UOG) Development - Björn N.P. Paulsson, Paulsson, Inc., DOE Grant VSP	
Room/ Session 2/ Chairs:		Drilling & Interventions I - Cementing Torrance Haggerty (Consultant) & Bill Head (RPSEA)	Subsea Systems & Safety I - Inspection, Maintenance, Repair Ivor Ellul (SPE Gulf Coast Section) & Lee Tran (Clarus Subsea Integrity)
1:00 PM	1:15 PM	11121-5402-01: Riser Lifecycle Monitoring System for Integrity Management - Judith Guzzo, GE Global Research	08121-2902-04 (Phage Biocontrol, LLC.): Replacing Chemical Biocides with Targeted Bacteriophages in Deepwater Pipelines and Reservoirs - Elizabeth Summer, Ecolyse, Inc.
1:15 PM	1:30 PM		09121-3300-06: High Resolution 3D Laser Imaging for Inspection, Maintenance, Repair and Operations - Carl Embry & Mark Hardy, 3D at Depth, LLC
1:30 PM	1:45 PM		
1:45 PM	2:00 PM		
2:00 PM	2:15 PM		
2:15 PM	2:30 PM		
2:30 PM	2:45 PM	BREAK	
Room/ Session 3		Chairman's Session (Ballrooms A&B, 3rd Floor)	
2:45 PM	3:00 PM	RPSEA President's Message, Tom Williams, President, RPSEA	
3:00 PM	3:20 PM	RPSEA UDW Programs, James Pappas, Executive Vice President and Ultra-Deepwater Programs Vice President, RPSEA	
3:20 PM	3:40 PM	RPSEA Unconventional and Small Producer Programs Message, Kent Perry, Vice President, Onshore Programs, RPSEA	
3:40 PM	4:30 PM	RPSEA Strategic Plan, Jack Belcher, Executive Vice President HBW Resources, Business Development Program Director, RPSEA	
4:30 PM	5:00 PM	Q and A	
5:00 PM	7:00 PM	RECEPTION Meeting of Members, Sponsored by Ocean Power Technologies (Mainsail, 2nd Floor)	

Wednesday, August 31, 2016

Time		Track 1: Ultra-Deepwater (Ballrooms C&D, 3rd Floor)	Track 2: Ultra-Deepwater (Ballrooms A&B, 3rd Floor)
7:00 AM	8:00 AM	Registration & UDW Continental Breakfast (Foyer outside Ballrooms A&B, 3rd Floor)	
Room/ Session 4/ Chairs:		Drilling & Interventions II	Reservoirs & Geoscience
		Torrance Haggerty (Consultant) & Nazareth Bedrossian (Bastion)	Andrew Feltham (TOTAL) & Gary Covatch (NETL)
8:00 AM	8:30 AM	11121-5503-01: Intelligent BOP RAM Actuation Sensor Systems - Emad Andarawis, GE Global Research	12121-6002-02: Pressure Prediction and Hazard Avoidance through Improved Seismic Imaging - Bill Barkhouse, SEG Advanced Modeling Corporation (SEAM)
8:30 AM	8:45 AM	10121-4501-01: Smart Cementing Materials and Drilling Muds for Real Time Monitoring of Deepwater Wellbore Enhancement - Cumaraswamy Vipulanandan (Vipu), The University of Houston	
8:45 AM	9:00 AM	10121-4505-01: Coiled Tubing Intervention System using an SSR with a Cost Effective Vessel - Jason McCanna, Nautilus International LLC	
9:00 AM	9:30 AM	07121-1701 (Knowledge Reservoir, LLC): Identification of Improved Recovery Techniques for Deepwater Gulf of Mexico - Joe Lach, Noble Energy, Inc.	
9:30 AM	10:00 AM	BREAK	
Room/ Session 5/ Chairs:		Subsea Systems & Safety II - Power	Metoccean Issues
		Mayela Rivero (TOTAL) & Benton Baugh (Radoil)	Don Richardson (Consultant) & Dave Driver (BP)
10:00 AM	10:15 AM	10121-4903-02: Autonomous Underwater Inspection Using a 3D Laser - John Jacobson, Lockheed Martin Corporation	10121-4802-01: Effect of Climate Variability and Change on Hurricane Activity in the North Atlantic - Cindy Bruyere, University Corporation for Atmospheric Research
10:15 AM	10:30 AM		12121-6302-01: Subsea High Voltage Direct Current Connectors for Environmentally Safe and Reliable Powering of UDW Subsea Processing - Qin Chen, GE Global Research
10:30 AM	10:45 AM	12121-6301-03: Development of Subsea Produced Water Discharge Sensors - Jeff Zhang, Clearview Subsea LLC & Ming Yang, National Engineering Laboratory (NEL)	10121-4801-01: Synthetic Hurricane Risk Model for Gulf of Mexico - Peter Vickery, Applied Research Associates, Inc.
10:45 AM	11:00 AM		11121-5801-01: Hi-Res Environmental Data for Enhanced UDW Operations Safety - Grant Stuart, Fugro Global Environmental & Ocean Sciences, Inc.
11:00 AM	11:15 AM		
11:15 AM	11:30 AM		
11:30 AM	1:30 PM	LUNCHEON (Mainsail, 2nd Floor)	
		Direction of the Oil and Gas Industry and the Bottom Line Benefits of Public Private Research - Tom Williams, President, RPSEA, and Shareen Yawanarajah, Director of Oil and Natural Gas Research, Office of Fossil Energy, U.S. Department of Energy	
Room/ Session 6/ Chairs:		Subsea Systems & Safety III - Measurement & System Integrity	Floating Systems I
		Mayela Rivero (TOTAL) & James Pappas (RPSEA)	Bill Head (RPSEA) & Lihua Wang (Statoil)
1:30 PM	1:45 PM	10121-4304-01: More Improvements to Deepwater Subsea Measurement - Chip Letton, Letton Hall Group	10121-4404-03: Low Cost Flexible Production System for Remote Ultra-Deepwater Gulf of Mexico (GOM) Field Development, Phase 2 - Jelena Vidic-Perunovic, Doris, Inc.
1:45 PM	2:00 PM		11121-5302-01: Deepwater Permanent Subsea Pressure Compensated Chemical Reservoir & Injection System - Art Schroeder, Safe Marine Transfer LLC
2:00 PM	2:15 PM		
2:15 PM	2:30 PM		
2:30 PM	2:45 PM		
2:45 PM	3:00 PM		
3:00 PM	3:15 PM	BREAK	
Room/ Session 7/ Chairs:		Environment & Safety Risks	Floating Systems & Risers II
		James Pappas (RPSEA) & Ivor Ellul (SPE Gulf Coast Section)	Bill Head (RPSEA) & Christy Lan (U.S. Dept. of Interior)
3:15 PM	3:30 PM	11121-5101-01: Human Factors Evaluation of Deepwater Drilling, including Literature Review - Mark St. John, Pacific Science & Engineering Group, Inc.	12121-6403-01: Development of Advanced CFD Tools for Enhanced Prediction of Explosion Pressure Development in Early Project Phase and Deflagration to Detonation Transition Risk on US GOM Drilling and Production Facilities - Scott Davis, GexCon US
3:30 PM	3:45 PM		
3:45 PM	4:00 PM	12121-6502-01: Reliability of Annular Pressure Buildup (APB) Mitigation Technologies - Bob Pilko, Blade Energy Partners, Ltd.	10121-4401-02: Ultra-Deepwater Riser Concepts for High Motion Vessels - Brian Royer, Stress Engineering Services, Inc.
4:00 PM	4:15 PM		
4:15 PM	4:30 PM		
4:30 PM	4:45 PM		
4:45 PM		Adjourn	



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7:30 AM	8:30 AM	Continental Breakfast & Registration (Foyer outside Ballrooms A&B, 3rd Floor)	
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9:30 AM	9:45 AM	BREAK	
Room/ Session 1/ Chairs:		Low Permeability Resources and Well Completion I Dag Nummedal (CSM) & Kent Perry (RPSEA)	Mitigating Environmental Impacts I Seth Lyman (Utah State) & Steve Beach (PTTC)
9:45 AM	10:00 AM	07122-07: Alternatives to Hydraulic Fracturing - Ernie Carter & Daniel Carter, Carter Technologies Co 07122-09: Application of Natural Gas Composition to Modeling Communication within and Filling of Large Tight-Gas-Sand Reservoirs, Rocky Mountains - Nicholas Harris, University of Alberta 07122-15: Mamm Creek Field Comprehensive Tight Gas Shale and Sandstone Field Assessment - Dag Nummedal, Colorado School of Mines	10122-06: The Technology Integration Program: An Extension of the Environmentally Friendly Drilling Systems Program - Tom Williams, LEID, LLC; Carolyn LaFleur, Houston Advanced Research Center 12122-15: Measurement of Hydrocarbon Emissions from Uncharacterized Area Sources - Seth Lyman, Utah State University 10122-06: A Broad-Based Program for Field Testing of New Technologies to Improve Environmental Performance in Oil and Gas Activities - Carolyn LaFleur, Houston Advanced Research Center
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Room/ Session 2/ Chairs:		Low Permeability Resources and Well Completion II Jack Pashin (OSU) & Kent Perry (RPSEA)	Mitigating Environmental Impacts II Steve Beach (PTTC) & Bob Balch (New Mexico Tech)
1:00 PM	1:15 PM	09122-11: Simulation of Shale Gas Reservoirs Incorporating the Correct Pore Geometry and the Physics of Capillarity and Transport - Deepak Devegowda, The University of Oklahoma 09122-01: Gas Well Pressure Drop Prediction Under Foam Flow Conditions - Mohan Kelkar, The University of Tulsa 09122-02: Characterizing Stimulation Domains for Improved Well Completions in Gas Shales - Ian Palmer, Higgs-Palmer Technologies	10122-07: NORM Mitigation and Clean Water Recovery from Marcellus Frac Water - Dave Moore, GE Global Research 11123-03: Cost-Effective Treatment of Produced Water using Co-Produced Energy Sources: Phase II Field Scale Demonstration and Commercialization - Robert Balch, Petroleum Recovery Research Center - New Mexico Tech 10122-19: Reducing Gas Migration in the Marcellus Shale Through Increased Cement Sheath Integrity - Paul Sonnier, CSI Technologies, LLC
1:15 PM	1:30 PM		
1:30 PM	1:45 PM		
1:45 PM	2:00 PM		
2:00 PM	2:15 PM		
2:15 PM	2:30 PM	BREAK	
2:30 PM	2:45 PM	BREAK	
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7:00 AM	8:00 AM	Registration (Foyer outside Ballrooms A&B, 3rd Floor) & Onshore Continental Breakfast (Foyer outside Windjammer & Elissa, 2nd Floor)	
Room/ Session 4/ Chairs:		Low Permeability Resources and Well Completion IV Kent Perry (RPSEA) & Ernie Carter (Carter Technologies)	Mitigating Environmental Impacts IV Steve Beach (PTTC) & Jeremy Boak (OU)
8:00 AM	8:15 AM	10123-17 (The University of Texas of the Permian Basin): Identifying and Developing Technology for Enabling Small Producers to Pursue the Residual Oil Zone (ROZ) Fairways of the Permian Basin, San Andres, Parts 1 & 2 - Steve Melzer, Melzer Consulting	11122-27: Relationships between Induced Seismicity and Fluid Injection: Development of Strategies to Manage Fluid Disposal in Shale Hydrocarbon Plays - Peter Eichhubl, The University of Texas at Austin
8:15 AM	8:30 AM		
8:30 AM	8:45 AM		12122-91: 4D Integrated Study Using Geology, Geophysics, Reservoir Modeling & Rock Mechanics to Develop Assessment Models for Potential Induced Seismicity Risk - Jeremy Boak, Oklahoma Geological Survey
8:45 AM	9:00 AM		
9:00 AM	9:15 AM		
9:15 AM	9:30 AM	09122-04: Marcellus Gas Shale Project and HFTS - Jordan Ciezobka, Gas Technology Institute	11122-42: Prevention and Remediation of Sustained Casing Pressure and other Isolation Breaches - Kyle Combs, CSI Technologies, LLC
9:30 AM	10:00 AM	BREAK	
Room/ Session 5/ Chairs:		Low Permeability Resources and Well Completion V Kent Perry (RPSEA) & Jordan Ciezobka (GTI)	Mitigating Environmental Impacts V Steve Beach (PTTC) & Dag Nummedal (CSM)
10:00 AM	10:15 AM	12123-42: Reducing the Impacts of Deterioration of Well Cement Integrity - Rouzbeh Shahsavari, Rice University	11122-45: Reducing the Environmental Impact of Gas Shale Development: Advanced Analytical Methods for Air and Stray Gas Emissions and Produced Brine Characterization - Jenna Kromann, GSI Environmental
10:15 AM	10:30 AM		
10:30 AM	10:45 AM	12122-52: Connectivity between Fractures and Pores in Hydrocarbon-Rich Mudrocks - Hugh Daigle, The University of Texas at Austin	12122-95: Reconciling Top-down and Bottom-up Methane Emissions Measurements from Unconventional Gas Development - Dag Nummedal, Colorado School of Mines
10:45 AM	11:00 AM		
11:00 AM	11:15 AM	11122-63: Petrophysics and Tight Rock Characterization for the Application of Improved Stimulation and Production Technology in Shale - James Puckett, Oklahoma State University	11122-57: Advanced Treatment of Shale Gas Frac Water to Produce NPDES Quality Water - Joon Min, BKT, Southern Research, M2 Water Treatment
11:15 AM	11:30 AM		
11:30 AM	1:30 PM	LUNCHEON (Mainsail, 2nd Floor) Direction of the Oil and Gas Industry and the Bottom Line Benefits of Public Private Research - Tom Williams, President, RPSEA, and Shareen Yawandarajah, Director of Oil and Natural Gas Research, Office of Fossil Energy, U.S. Department of Energy	
Room/ Session 6/ Chairs:		Low Permeability Resources and Well Completion VI Kent Perry (RPSEA) & Jordan Ciezobka (GTI)	Mitigating Environmental Impacts VI Steve Beach (PTTC) & Carolyn LaFleur (HARC)
1:30 PM	1:45 PM	11123-24: Reduction of Uncertainty in Surfactant-Flooding Design: Multiple Single-Well Case Studies - Benjamin Shiau, The University of Oklahoma	11122-55: Development of GIS based Tools to Optimize Fluids Management in the Shale Gas Industry - Ashwin Dhanasekar, Colorado State University
1:45 PM	2:00 PM		
2:00 PM	2:15 PM	09123-03: Field Testing and Diagnostics of Radial-Jet Well-Stimulation for Enhanced Oil Recovery from Marginal Reserves - Robert Balch, Petroleum Recovery Research Center - New Mexico Tech	11122-56: Understanding and Managing Environmental Roadblocks to Shale Gas Development: An Analysis of Shallow Gas, NORMs, and Trace Metals (Texas) - Jean Nicot, The University of Texas at Austin
2:15 PM	2:30 PM		
2:30 PM	2:45 PM	08122-53: Multiazimuth Seismic Diffraction Imaging for Fracture Characterization in Low-Permeability Gas Formations - Sergey Fomel, Bureau of Economic Geology, University of Texas at Austin	11122-31: Development of Plasma Technology for Water Management of Frac/Produced Water - Young Cho, Drexel University
2:45 PM	3:00 PM		
3:00 PM	3:15 PM	BREAK	
Room/ Session 7/ Chairs:		Low Permeability Resources and Well Completion VII Kent Perry (RPSEA) & Tom Chidsey (UGS)	Mitigating Environmental Impacts VII Steve Beach (PTTC) & Joel Sminchak (Battelle)
3:15 PM	3:30 PM	07122-41: Improved Reservoir Access through Refracture Treatments in Tight Gas Sands and Gas Shales - Jongsoo Hwang, The University of Texas at Austin	10122-39: Novel Engineered Osmosis Technology: A Comprehensive Approach to the Treatment and Reuse of Produced Water and Drilling Wastewater - Tzahi Cath, Colorado School of Mines
3:30 PM	3:45 PM		
3:45 PM	4:00 PM	07122-45: Paleozoic Shale-Gas Resources of the Colorado Plateau and Eastern Great Basin, Utah: Multiple Frontier Exploration Opportunities - Thomas Chidsey, Utah Geological Survey	07123-01: Disappearing Roads; GPRI Field Trials in Permian Basin and Eagle Ford Shale, Texas / Desalination of Oil Field Brine GPRI Field Trials in McAllen Texas - David Burnett, Texas A&M University
4:00 PM	4:15 PM		
4:15 PM	4:30 PM	07122-17 (Geological Survey of Alabama): Geologic Foundation for Production of Natural Gas from Diverse Shale Formations - Jack Pashin, Oklahoma State University	11122-73: Development of Subsurface Brine Disposal Framework in the Northern Appalachian Basin - Joel Sminchak, Battelle Memorial Institute
4:30 PM	4:45 PM		
4:45 PM		Adjourn	