Sunday, 3 August 2014
1:30:5:00 pm Registration
3:20:7:00 pm Welcome Reception

Monday, 4 August 2014
8:30–8:40 am Opening and Welcome
8:40–9:10 am KEYNOTE Scales, Scaling and Scale Up
Larry Lake, U of Texas at Austin

Session 1: Business Driven Integration
Session Chairs: Kerung Mehta, Mike King, Matthew Bennett
9:10–9:25 am Decision Based Modeling: Building the “Right” Models at the Appropriate Scale Charlotte Martin, Shell International E&P
9:25–9:40 am Appropriate Reservoir Modeling Michael J. King, Texas A&M University
9:40–9:55 am Integrated Analysis of Geophysical Data for Gross Rock Volume Estimation with Uncertainty Corey Hoeting, Chevron Energy Technology Company
9:55–10:25 am Coffee Break
10:25–10:40 am Back-of-the-envelope Models Sebastien Matringe, Quantum Reservoir Impact
10:40–11:05 am Uncertainty and Multidisciplinary Constraints Cengiz Emsenmur, Schlumberger
11:05 am–11:10 pm How Business Drives the Integration of Data and Uncertainties for the Appropriate Model Sheldon Garrett, RPS Knowledge Reservoir
11:10–11:30 am Discussion
11:45–1:30 am Lunch

Session 2: Static Model Inputs
Session Chairs: Claude Schepens, Mark Kitchin, Jorge Sanchez
1:30–1:35 pm Opening
1:35–2:05 pm KEYNOTE Predicting Reservoir Architecture at Multiple Scales: Application of Geologic Rules to Subsurface Modeling Mike Gardner, Montana State U
2:05–2:35 pm Static Modeling: What Happened to the Geologic Interpretation Brodie Thomson, ExxonMobil Production Company
2:35–3:05 pm Quantitative Outcrop Characterization and Modeling as Input to an Integrated Reservoir Model—Imparting Geological Heterogeneity to Reservoir Sean Fletcher, ConocoPhillips
3:05–3:50 pm Poster Session (Refreshments provided during session)
  • Training Image Construction of Point Bars: An Example from Modern Analog, Brazos Gregory Benson, ExxonMobil Upstream Research Company
  • Impact on the Modeling Method of Water Saturation for a Heavy Oilfield on Tilted Oil-water Contact System Ingrid Tatiana Cabrego, Ecopetrol S.A. Empresa Colombiana de Petroleos
  • An Approach to Petrophysical Determination in Unconventional Reservoirs Travis Ramsay, Halliburton
  • Identifying By-Passed Pay in Mature Oil and Gas Fields by Integrating Vintage Subsurface Data with Modern Well-Log, Borehole-Image Logs, and Core: A Case Study of the Upper Pennsylvania Cleveland Sandstone in Pawnee Co., OK Curtis Rody, Mid-Continent Energy LLC
3:50–4:20 pm Depositional Controls on Reservoir Architecture, Heterogeneity and Deliverability: A Multi-scale, Multi-disciplinary Approach in the Deep-water Okume Complex, Equatorial Guinea Michaela Ryer, Hess Corporation
4:20–4:50 pm Upscaling of Electrical Resistivity Measurements in Porous Media Zoya Hedari, Texas A&M U
4:50–5:20 pm Discussion
6:30–8:30 pm Forum Dinner

Tuesday, 5 August 2014
3:05–3:50 pm SESSION 3: Role of Geophysics
Session Chairs: Alfonso Maria Marin, Kerung Mehta, Mosab Nasser
8:30–8:35 am Opening
8:35–9:05 am KEYNOTE Geostatistics and Rock Physics for Seismic Data Integration in Reservoir Models Philips Doeyen, CGG/Geoseismics
9:05–9:35 am Multi-scale Seismic Conditioning of Reservoir Models with the Wavelet Transform Matthew Casey, ExxonMobil Upstream Research Company
9:35–10:05 am Integrated Seismic Elastic Properties and Discontinuities into Reservoir Modeling and Simulation - A Case Study for MP 81, Gulf of Mexico Randal Utech, Schlumberger Petro/Technical Services (PTS)
10:05–10:45 am Poster Session (Refreshments provided during session)
  • Multi-Data Reservoir History Matching of Crosswell Seismic, Electromagnetics and INSR Data: Determining their Impact and Sensitivity for Enhanced Reservoir Forecasts Klemens Katterbauer, King Abdullah U of Science & Technology
  • Seismic Reservoir Characterization with Neural Net Optimizes Well Targets and Reserves Forecasting in the Marcellus Kevin McKenna, Sigma Coubid, Inc.
  • Identifying Sub-seismic Faults from Signal Singularity in the Tight Reservoir Haqin Xu, China U of Petroleum & Yangtze U
10:45–11:15 am Correlating Multiple 4D Seismic to Production for Closing the Loop in Faults—compartmentalized Reservoirs Zhen Yin, Heriot-Watt Institute of Petroleum Engineering
11:15–11:45 am Quantitative Seismic Reservoir Modeling Through Creation of the Oil Model Helena Zirczy, Shell
11:45 am–12:15 pm Discussion
12:15–1:30 pm Lunch

Session 4: Static Model Building
Session Chair: Daniela Justhiano, Marko Maucec, Mark Kitchin
1:30–1:35 pm Opening
1:35–2:05 pm KEYNOTE Reservoir Model Design Mark Bentley, AGR TRACS Training
2:05–2:35 pm Preserving Stratigraphic Concepts from Input to Simulation Grid Larisa Danelis, ExxonMobil Upstream Research Company
2:35–3:05 pm Reservoir Modeling By Using Integration of the SRV Properties, the Fracture Patterns and Their Real-time Propagation Parameters Jianfu Ma, Halliburton Energy Services
3:05–3:50 pm Poster Session (Refreshments provided during session)
  • Scenario-based Reservoir Modeling using Sequential Surface Simulation: Method and Application Hangmei Li, ExxonMobil
  • Diagenetic Controls on Reservoir and Seal Quality at the Field and Basin Scale John Pantano, Texas A&M & U
  • Addressing Complex Structures in an Integrated Reservoir Model Melissa Velti, Schlumberger
  • A Hybrid Method for Combining Multi-point Statistic (MPS) and Object-based (OM) Methods for Creating Reservoir Property Models Suitable for Reservoir Flow Simulation Julian Thorne, Chevron Energy Technology Company
3:50–4:20 pm Discussion
4:20–4:30 pm Assimilation of Dynamic Data into Reservoir Modeling Models Using a Model Selection Approach Sanjay Sinha, U of Texas-Austin
4:50–5:20 pm Discussion

Wednesday, 6 August 2014
3:05–3:50 pm SESSION 5: Dynamic Model Building
Session Chairs: Matthew Bennett and Mike King
8:30–8:35 am Opening
8:35–9:05 am KEYNOTE Multi-Scale Modeling of Naturally Fractured Carbonate Reservoirs Sebastian Geiger, Heriot-Watt U
9:05–9:35 am Dynamic Lorenz Coefficient for Ranking Geological Models and Optimizing Waterflooding Mike Shook, Chevron
9:35–10:05 am Reservoir Modeling for Flow Simulation: Surface-based Representation of Geologic Heterogeneity and Space and Time-adaptive Unstructured Meshes Matthew Jackson, Imperial College London
10:05–10:50 am Poster Session (Refreshments provided during session)
  • Bravo Dome Subsurface and Surface Network Modeling Shahn Nohad, OXY USA Inc.
  • A Case Study of Flood Monitoring in the Halldur Field, Danish North Sea: Integrating Observation/Monitor Well Data, 4D Seismic and Reservoir Simulation Karm Chai Ooi, Maersk Oil UK Ltd
  • Uncertainty Factors in Reservoir Characterization: How to Assess Uncertainty during Pre-development Phase Jesus Sotomayor, Repsol
  • Coupled Modeling for Consideration of Geomechanical Influences on Flow Simulations VIKRAM SEN, Taurus Reservoir Solution Ltd.
10:50–11:20 am Low-Rank Representations for Dynamic Reservoir Connectivity Mapping Behnam Jalali, U of Southern California
11:20–11:50 am Fit for Purpose and Ranking/Screening Models: Are People Really Doing It? Sheldon Garrett, RPS Knowledge Reservoir
11:50–12:20 pm Discussion
12:20–1:30 pm Lunch

Session 6: Closing the Loop
Session Chairs: Marko Maucec, Mosab Nasser, and Matthew Bennett
1:30–1:35 pm Opening
1:35–2:05 pm KEYNOTE Streamline-based Transport Tomography Akhil Datta-Gupta, Texas A&M U
2:05–2:35 pm Integrated Approach for Reservoir Characterization and Uncertainty Quantification and Predictive Modeling Ajay Singh, Halliburton
2:35–3:05 pm Field Applications of Multi-Scale Multi-Physics History Matching Approach Mortaza Khodabakhshi, OXY
3:05–3:15 pm Coffee Break

Thursday, 7 August 2014
8:30–8:35 am Opening
8:35–9:05 am KEYNOTE Seismic Fracture and Stress Characterization for Production Optimization in Unconventional Reservoirs Colin M. Sayers, Schlumberger
9:35–10:05 am Static Models for Unconventional Reservoirs: A Barnett Shale Case Study John Pendal, CGG GeoSoftware
10:05–10:50 am Poster Session (Refreshments provided during session)
  • Current Practices, Challenges and Roade Ahead in IRM for Unconventional Hai-Sui Meng, iReservoir.com, Inc.
  • The Effects of Confinement on Fluid Transport Properties and Production: A Study of Eagle Ford Shale Gas Condensate Reservoir Alireza Sanat, U of Oklahoma
  • Impact of Geomechanics on Integrated Multi-scale Fracture Network Modeling Kazuko Tatsuzka, JAPEX
10:50–11:20 am Improving Field Development Plans for Unconventional Reservoirs by Optimizing Well Placement and Completion Design Murat Zhiyankulov, Schlumberger
11:20–11:30 am An Improved Workflow for Optimizing Recovery from Unconventional Reservoirs Shaneem Siddiqui, Halliburton
11:50 am–12:20 pm Discussion
12:20–1:30 pm Lunch

Session 7: Unconventionals
Session Chairs: Ron Dusterhoff, Alfonso Maric Minari, Jerry Youngblood
1:30–1:35 pm Opening
1:35–2:05 pm KEYNOTE Reservoir Modeling Needs and Challenges: A Business Perspective R. Akhil Datta-Gupta, Texas A&M U
2:05–2:35 pm Integrated Production Forecasting for Optimal Development of a New Deep Water Field Ganesh Balasubramanian, Chevron
2:35–3:05 pm  Scalable Visual Computing Technologies for Integrated Reservoir Modeling  Mario Costa Sousa, U of Calgary
3:05–3:50 pm  Poster Session (Refreshments provided during session)
- 3D Reservoir Geo-modeling for Feasibility of Hydrocarbon Storage by Integration of Seismic, Microseismic and Petrophysical Methods with Dataset at Ketzin, Germany  Junghee Kim, Seoul National U
- Integrated Modeling and Simulation for CO2 EOR and CO2 Storage in the Zama Pinnacle Reefs Located in the Alberta Basin, Canada  Guoxiang Liu, Energy & Environmental Research Center
- Uncertainty Evaluation and Management through Exploration Lifecycle  Eileen Nunez Paclibon, Statoil
- Architecture, REVs and Effective Properties – Steps Towards a New Workflow  Caroline Hern, Shell
3:50–4:20 pm  History Matching of a Mature Field Using Non-standard Data and Techniques: An Example from the Janice Field, UK North Sea  Alasdair MacMillan, Maersk Oil UK Ltd.
4:20–4:50 pm  Challenges and Opportunities to Improve the IRM Process and Business on Observation of Recent Shell Projects  Conrad J. McCarthy, McCarthy Geosciences, LLC
4:50–5:20 pm  Discussion
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