MCERI Annual Meeting
La Torretta Lake Resort, Montgomery, Texas
November 9-10, 2015

Agenda

DAY 1 – Monday, November 9, 2015

7:30 AM	Breakfast
8:00 AM	Opening Remarks *Akhil Datta-Gupta and Michael J. King, Texas A&M University*
8:20 AM	A Comprehensive Reservoir Simulator for Shale Gas Reservoirs Based on the Fast Marching Method and Diffusive Time of Flight *Yusuke Fujita*
8:45 PM	Streamline-based History Matching of Arrival Times and Bottomhole Pressure Data for Multicomponent Compositional Systems *Shusei Tanaka*
9:10 AM	Streamline-based Rapid History Matching of Bottom-hole Pressure and Three-phase Production Data *Dongjae Kam*
9:35 AM	A Novel Approach for Production Transient Analysis of Shale Gas/Oil Reservoirs *Vishal Sharma*
10:00 AM	Break
10:20 AM	Complex Fracture Systems Characterization and Classification Using Production Data *Xu Xue*
10:40AM	Refracturing Shale Oil Wells: Considerations for Candidate Selection *Changdong Yang*
11:00 AM	Asymptotic Solution of Diffusivity Equation and Its Application *Zhenzhen Wang*
11:20 AM	Application of History Matching Quality Index with Moving Linear Regression Analysis *Hye Young Jung*
11:40 AM	Capillary Corrections to Buckley-Leverett Flow *Lichi Deng*
12:00 PM	Lunch
1:00 PM	**Poster Presentation**
2:00 PM	Optimizing Recovery and Storage During CO_2 Injection Using Rate Control *Feyisayo Olalotiti-Lawal*

2:20 PM   History Matching Channel Models Using Level Sets
Jichao Han

2:40 PM   Statistical Modeling of Eagle Ford Production Data using Machine Learning
Aditya Vyas

3:00 PM   Streamline Tracing on Unstructured Grids
Lihua Zuo and Rongqiang Chen

3:20 PM   Break *(15 min.)*

3:45 PM   Integrating Time-Lapse Seismic and Production Data: Analysis of Spatial Resolution
Gil Hetz

4:00 PM   Integrating Well Testing Data into Geologic Models
Chen Li

4:15 PM   Discussion and Wrap-up
Michael J. King and Akhil Datta-Gupta, Texas A&M University

4:45 PM   Adjourn/Reception

6:00 PM   Dinner

DAY 2 – Tuesday, November 10, 2015

7:30 AM   Breakfast

8:00 AM   Opening Remarks
Akhil Datta-Gupta and Michael J. King, Texas A&M University

8:15 AM   DESTINY: Tracing and Inversion
Hongquan Chen

9:15 AM   Fast Marching Demonstration
Hye Young Jung and Jixiang Huang

10:15 AM   Break

10:30 AM   SWIFT: Upgridding and Upscaling
Krishna Nunna

11:30 AM   GLOBAL: Global Updates
Aditya Vyas

12:30 PM   Lunch and Adjourn

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List of Posters

Soumyadipta Sen Gupta: Determination of Transport Properties from Pore Network Models

Jixiang Huang: Limited Entry Perforations: Implications on Hydraulic Fracture Propagation and Well Performance

Krishna Nunna: Diffused-Source Upscaling

Hyunmin Kim: Grid Connectivity-Based Parameterization Adaptive to Prior Models

Maxim: Closed Loop Reservoir Management

Hongquan Chen: DESTINY: A Software for Flow Diagnostics and History Matching

Hye Young Jung: FMM: A Software for Fast Analysis and Simulation of Green Fields and Unconventional Reservoirs