MCERI Annual Meeting
La Torretta Lake Resort, Montgomery, Texas
November 2-3, 2017

Agenda

DAY 1 – Thursday, November 2, 2017

7:30 AM	Breakfast
8:00 AM	Opening Remarks *Akhil Datta-Gupta and Michael J. King, Texas A&M University*
8:30 AM	History Matching of Frequent Seismic Surveys Using Seismic Onset Times at the Peace River Field, Canada *Gill Hetz (25 min.)*
8:55 AM	Post-Combustion CO_2 EOR Development in a Mature Oil Field: Model Calibration Using a Hierarchical Approach *Feyisayo Olalotiti-Lawal (25 min.)*
9:20 AM	Flow Simulation of Complex Fracture Systems with Unstructured Grids using the Fast Marching Method *Changdong Yang (25 min.)*
9:45 AM	Rapid Coupled Flow and Geomechanics Simulation using the Fast Marching Method *Atsushi Iino (20 min.)*
10:05 AM	Break *(25 min.)*
10:30 AM	A Revised Evaluation of the Seismicity in the Azle area using Coupled Fluid Flow and Geomechanical Modeling *Rongqiang Chen (20 min.)*
10:50 AM	Multi-resolution Parameterization with Multi-objective Genetic Algorithm for Efficient History Matching *HyunMin Kim (20 min.)*
11:10 AM	Dynamic Upscaling and Downscaling in High Contrast Systems *Krishna Nunna (20 min.)*
11:30 AM	Anisotropic Fast Marching Methods for Reservoir Models with Complex Geometries in Corner Point Grids *Chen Li (20 min.)*
11:50 PM	Lunch *(50 min.)*
12:40 PM	Demonstration of the Production Data Analysis Tool *Xu Xue (20 min.)*
1:00 PM	Poster Session *(30 min.)*
1:30 PM	Industry Presentation *To be announced (30 min.)*

2:00 PM	Rapid Simulation of Complex Fracture Network using the Fast Marching and EDFM Method *Xu Xue* (20 min)
2:20 PM	Streamline Tracing in Embedded Discrete Fracture Model *Hongquan Chen (20 min.)*
2:40 PM	Field Application of Asymptotic Solutions to the Diffusivity Equation *Zhenzhen Wang (*20 min.*)*
3:00 PM	Break *(20 min.)*
3:20 PM	Quantitative Production Data Analysis from Unconventional Reservoirs with a Novel Approach: Meramec Field Applications *Jaeyoung Park* (15 min)
3:35 PM	Theoretical Investigation of the Transition from Spontaneous to Forced Imbibition *Lichi Deng (15 min.)*
3:50 PM	Application of Multistencil FMM and Application of FMM into Heterogeneous Dual Porosity Media *Kenta Nakajima* (15 min.)
4:05 PM	Numerical Simulation and Optimization of EOR using wettability Alteration in Tight Oil Reservoirs *Hey Young Jung (15 min.)*
4:20 PM	Discussion and Wrap-up *Michael J. King and Akhil Datta-Gupta, Texas A&M University (40 min.)*
5:00 PM	Adjourn/Reception
6:00 PM	Dinner

DAY 2 – Friday, November 3, 2017

7:30 AM	Breakfast
8:00AM	Opening Remarks *Akhil Datta-Gupta and Michael J. King, Texas A&M University*
8:15AM	DESTINY: Tracing and Inversion *Hongquan Chen*
9:15 AM	FMM Demonstration *Hye Young Jung*
10:15 AM	Break
10:45 AM	LINK-WELLOPT: Fast Marching Commercial Petrel Plug-in *Xu Xue*
11:15 AM	SWIFT: Upgridding and Upscaling *Krishna Nunna*
12:00 PM	Lunch and Adjourn