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 CO2 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.)
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| 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                                                  |
| 5:00 PM| Adjourn/Reception                                                       |
| 6:00 PM| Dinner                                                                  |

**DAY 2 – Friday, November 3, 2017**

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| 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| 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                                                       |