CPGE2017

Research Showcase in Petroleum and Geosystems Engineering

September 11, 2017 | Thompson Conference Center | The University of Texas at Austin

Poster Session

Title	Presenter	
Multiscale Pore Network Reconstruction and Flow Modeling of Unconventional Rocks	Rui Xu	PHD Candidate
Application of Coupled Geomechanics and Reservoir Simulator to Reservoir Development Strategies	Chao Gao	PHD Candidate
Modeling Lost Circulation and Assessing Enhanced Propagation Resistance by Fracture Sealing	Peidong Zhao	PHD Candidate
Grain-scale Mechanical Response of Organic Shales to Hydraulic Fracturing	Han Jiang	PHD Candidate
Chemical EOR Application in Tight Carbonates	Pinaki Ghosh	PhD Candidate
Generalized FEM Modeling of Multi-Phase Flow in Porous Media	Mingyaun Yang	PhD Candidate
Complexities in Hydraulically Simulated Reservoir Volumes Due to the Stress Shadowing Effect	Mahdi Haddad	Post Doctoral Fellow
Quantification of Fracture Gradient Considering Chemo-Poromechanical Properties in Tuscaloosa Sandstone	Hojung Jung	PhD Candidate
A Gravity Drainage Method for Measuring Relative Permeability in Sandstone Cores	Lauren Churchwell	PhD Candidate
New Correlation for the Interfacial Tension of Surfactant-Oil-Water Systems	Leonard Chang	MS Student
Advanced 2.5-D Micromodels for EOR Investigation	Ke Xu	PhD Candidate
Modeling Hydraulic Fracture Interference in Layered Formation Using Simplified 3D Displacement Discontinuity Method	Tianyu Li	PhD Candidate
Experimental Studies on the Reservoir Dynamics of the Invaded Gas as Fracturing Fluids	Xiao Luo	PHD Candidate
Investigation of Wettability Alteration and Oil Recovery by Use of Low Salinity Water Injection in Micromodels	Yujing Du	PHD Candidate
Near-Wellbore Orientation of Hydraulic Fractures Initiated from Horizontal Wells	Andreas Michael	PhD Candidate
A Unified Approach for Modeling of Field Injectivity Tests, Lost Circulaiton, and Near Wellbore Fracture Complexity	Yongcun Feng	Postdoctoral Fellow
Using Surfactants to Induce Viscosity Driven Crossflow in Oil-Wet Fractured Micromodels	Lucas Mejia	MS Student
Optimize Real Time Drilling Operation using Improved MSE and CCS Formulations	Alex Zhou	PHD Candidate
Sand Production Prediction: A Hydro-Mechanical Sand Erosion Model for Capturing Realistic Sanding Process	Xiaorong Li	PHD Candidate
Numerical Simulation of Carbonate Matrix Acidization Using Adaptive Enriched Galerkin Method with Entropy Residual Stabilization	Rencheng Dong	PhD Candidate