

CPGE2017

Research Showcase in Petroleum and Geosystems Engineering

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

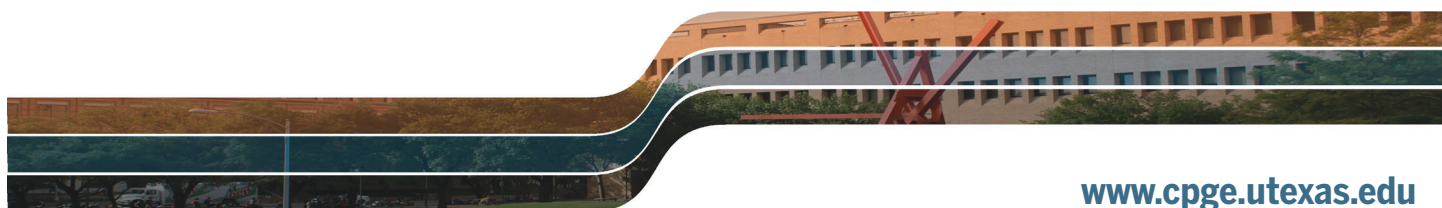
Time	Location	Event	Speaker
8:00 - 8:25 am	TCC Lobby	Continental Breakfast	
8:25 - 8:30 am	TCC 2.120	Welcome	Dr. Kishore Mohanty
8:30 - 9:30 am	TCC 2.120	Key Note Speaker: "3M Products and Research for Enhancing Oil and Gas Production"	Dr. Jimmie Baran - 3M
9:30 - 9:40 am		Break	
9:40 am - Noon	TCC 2.120	Session: Drilling, Completions, & Geomechanics	
9:40 - 10:00 am	TCC 2.120	A Coupled Peridynamics/FEA Model for Efficient Simulation of Complex Hydraulic Fractures	Jason York
10:00 - 10:20 am	TCC 2.120	A 3D Numerical Model for Fluid-Driven Cement Interface Debonding of an Injector Well	Yongcun Feng
10:20 - 10:40 am	TCC 2.120	Discrete Element Modeling of CO ₂ -Induced Chemomechanical Rock Alteration	Zhuang Sun
10:40 - 11:00 am	TCC 2.120	A Model for the Conductivity and Compliance of Unpropped and Natural Fractures	Weiwei Wu
11:00 - 11:20 am	TCC 2.120	Wellbore Breakouts in Deviated Wells	Xiaorong Li
11:20 - 11:40 am	TCC 2.120	Induced Seismicity Due to Wastewater Injection	Mohsen Babazedah
11:40 am - Noon	TCC 2.120	Proppant Transport in Hydraulic Fractures	Songyang Tong
Noon - 1:30 pm	TCC 2.120	Lunch	
1:30 - 3:10 pm	TCC 2.120	Session: Reservoir Engineering	
1:30 - 1:50 pm	TCC 2.120	Selecting the Correct Models for Unconventional Production	Larry Lake
1:50 - 2:10 pm	TCC 2.120	Chemical EOR in Naturally Fractured Reservoir	Miguel Mejia
2:10 - 2:30 pm	TCC 2.120	Comparative Study of Oil Dilution Capability of Dimethyl Ether (DME) and n-Hexane as Steam Additives for SAGD	Kwang Hoon Baek
2:30 - 2:50 pm	TCC 2.120	Diluent Enhanced Oil Gravity Drainage in Fractured Reservoirs	Neha Anand
2:50 - 3:10 pm	TCC 2.120	Numerical Study and Optimization of Gas Mobility Control Techniques During CO ₂ Sequestration in Cranfield	Xueying Lu

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Time	Location	Event	Speaker
3:10 - 3:20 pm		Break	
3:20 - 5:00 pm	TCC 2.120	Session: Petrophysics	
3:30 - 3:50 pm	TCC 2.120	Effect of Brine Composition on Oil-Rock Interaction by Atomic Force Microscopy	Sriram Chandrasekhar
3:50 - 4:10 pm	TCC 2.120	Tuning the Rheology of Pickering Emulsions Using Functionalized Silica Nanoparticles	Christopher Griffith
4:10 - 4:30 pm	TCC 2.120	Upscaling Lithologic Heterogeneity to Understand Methane Hydrate Accumulation at the Basin Scale	Michael Nole
4:30 - 4:50 pm	TCC 2.120	A Rigorous Solution to the Problem of Phase Behavior in Unconventional Formations with High Capillary Pressure	Sajjad Neshat
4:50 - 5:00 pm		Break	
5:00 - 6:30 pm	TCC Under the Oaks	Poster Session & Reception	
5:30 pm	TCC Under the Oaks	Best Speaker Award Announcement	



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