



CPGE2019

Research Showcase in Petroleum and Geosystems Engineering

August 27, 2019 | POB 2.302 and The Avaya Auditorium | The University of Texas at Austin

Time	Location	Event	Speaker
8:00 am	POB Lobby	Continental breakfast	
8:30-9:00 am	Avaya Auditorium	Welcome, Digital Transformation	Dr. Michael Pyrcz
9:00-11:00 am		Session 1: Data Analytics	
9:00-9:20 am	Avaya Auditorium	Spatial Sampling Bias in Decision Tree for Unconventional Resources	Wendi Liu
9:20-9:40 am	Avaya Auditorium	Global Predictions of Seafloor Properties to Predict the Presence of Gas Hydrate	David Fukuyama
9:40-9:50 am	Avaya Auditorium	Break	
9:50-10:10 am	Avaya Auditorium	Data Analytics for Unconventionals	Ryan Farrell
10:10-10:30 am	Avaya Auditorium	DIRECT	Dr. John Foster
10:30-10:50am	Avaya Auditorium	Digital Rocks	Dr. Masa Prodanovic
10:50-11:10 am	Avaya Auditorium	Field Gas Improved Low Tension Surfactant Flooding in Tight Reservoirs	Matthew Monette
11:10 am - 1:00 pm	POB Lobby	Poster Session & Lunch	Poster Session & Lunch
1:00 - 3:00 pm		Session 2: Unconventional Reservoirs	
1:00-1:20 pm	Avaya Auditorium	Chemical Blend-CO2 Huff-n-Puff for EOR in Shales	Tongzhou Zeng
1:20-1:40pm	Avaya Auditorium	Proppant and fluid distribution in multiple perforation clusters	Dr. Ripu Minchanda
1:40-2:00 pm	Avaya Auditorium	Advanced Modeling and Interpretation of NMR Measurements in Organic-Rich Mudrocks	Saurabh Tandon
2:00-2:20 pm	Avaya Auditorium	Microfluids for reservoir engineering	Dr. Wen Song
2:20-2:40 pm	Avaya Auditorium	A Two-Phase Non-Linear One-Dimensional Flow Model for Reserves Estimation in Tight Oil Reservoirs Using Scaling	Leo Ruiz
2:40-3:00 pm	Avaya Auditorium	Oxygenated Solvents for Improved Oil Recovery from Tight Reservoirs	Mingyuan Wang
3:00-3:10 pm		Break	
3:10 - 4:10 pm		Session 3: EOR	
3:10-3:30 pm	Avaya Auditorium	Vaporizing/Condensing Mechanisms in Steam-Solvent Coinjection for Bitumen Recovery	Kai Sheng
3:30-3:50 pm	Avaya Auditorium	A Novel Wettability Modifier for Enhanced Water Flooding in Carbonate Reservoirs	Ricardo Lara
3:50-4:10 pm	Avaya Auditorium	Novel Non Aqueous Foam For Improving Hydrocarbon Miscible Flooding In Water Sensitive Tight Oil Formations	Chao-yu Sie
4:10 - 5:00 pm	Avaya Auditorium	Guest Speaker - Data Analytics for the Permian Basin	Mike Richey