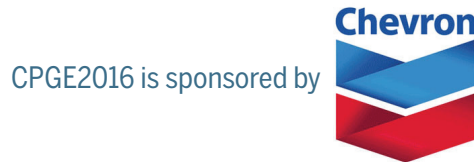


CPGE2016

Research Showcase in Petroleum and Geosystems Engineering

September 6, 2016 | AVAYA Auditorium | Peter O'Donnell Building | The University of Texas at Austin



Time	Location	Event	Speaker
8:00 - 8:25 am	Connector Lobby (POB Lobby)	Continental Breakfast	
8:25 - 8:30 am	AVAYA Auditorium (POB 2.302)	Welcome	Dr. Kishore Mohanty
8:30 - 10:30 am	AVAYA Auditorium (POB 2.302)	Session: Fracture Characterization and Modeling	
8:30 - 8:50 am	AVAYA Auditorium (POB 2.302)	BEG-CPGE collaborative research on fractures, flow, and earthquakes	Dr. Peter Eichhubl
8:50 - 9:10 am	AVAYA Auditorium (POB 2.302)	Nanoscale grain boundaries in fracture cement enhance flow in mudrocks	Dr. Christopher Landry
9:10 - 9:30 am	AVAYA Auditorium (POB 2.302)	The Interaction Analysis of Propagating Opening Mode Fractures with Veins using the Discrete Element Method	Dr. Hunjoo Lee
9:30 - 9:50 am	AVAYA Auditorium (POB 2.302)	The use of shear wave anisotropy for characterizing the onset of stress-induced microfracturing	Matthew Ramos
9:50 - 10:10 am	AVAYA Auditorium (POB 2.302)	On the effects of inelasticity in hydraulic fractures	Jason York
10:10 - 10:30 am	AVAYA Auditorium (POB 2.302)	Challenges in Horizontal Well Refracturing	Shiting Yi
10:30 - 10:45 am		Break	
10:45 - 12:45 pm	AVAYA Auditorium (POB 2.302)	Session: Petrophysics	
10:45 - 11:05 am	AVAYA Auditorium (POB 2.302)	Novel Experiments Conducted to Determine the Effect of Fluid Composition on Gas/Oil/Water Relative Permeability	Dr. Rafael Longoria
11:05 - 11:25 am	AVAYA Auditorium (POB 2.302)	Quantification of Directional Pore Network Connectivity and Rock Fabric and its Application to Improve in-situ Assessment of Hydrocarbon Reserves and Directional Permeability	Artur Posenato Garcia
11:25 - 11:45 am	AVAYA Auditorium (POB 2.302)	Surface Nuclear Magnetic Relaxation of Organic Matter in Unconventionals	Dr. Boyang Zhang
11:45 - 12:05 pm	AVAYA Auditorium (POB 2.302)	Petrophysics-on-a-chip: limitations and opportunities	Dr. Ayaz Mehmani
12:05 - 1:30 pm	Connector Lobby (POB Lobby)	Lunch	

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Time	Location	Event	Speaker
1:30 - 3:30 pm	AVAYA Auditorium (POB 2.302)	Session: Reservoir Engineering	
1:30 - 1:50 pm	AVAYA Auditorium (POB 2.302)	Microfluidic and Core Scale Experiments for Chemical Enhanced Oil Recovery	Dr. Matthew Balhoff
1:50 - 2:10 pm	AVAYA Auditorium (POB 2.302)	Steam Stimulation and In-Situ Conversion of Kerogen in Shale Oil Reservoirs	Nkem Egboga
2:10 - 2:30 pm	AVAYA Auditorium (POB 2.302)	Mechanistic Modeling of Low Salinity Wettability Alteration in Carbonates	Himanshu Sharma
2:30 - 2:50 pm	AVAYA Auditorium (POB 2.302)	Coupled Reactive Flow and Transport for Porous Media Applications	Gurpreet Singh
2:50 - 3:10 pm	AVAYA Auditorium (POB 2.302)	Mechanistic Modeling of Carbonated Waterflooding	Alireza Sanaei
3:10 - 3:30 pm	AVAYA Auditorium (POB 2.302)	A novel tracer analysis by an upscaling of miscible displacement using Koval's theory combined with Capacitance/Resistance Mode	Nuntha Naudomsup
3:30 - 3:40 pm		<i>Break</i>	
3:40 - 4:30 pm	AVAYA Auditorium (POB 2.302)	Keynote Speaker	
		"Fracing" Tight Rocks by Elevating Pore-Water Pressure Using Electromagnetic Wave Heating	Dr. Dan Georgi, Aramco Services Company
4:30 - 6:30 pm	Connector Lobby (POB Lobby)	Poster Session & Reception	
5:30 pm	Connector Lobby (POB Lobby)	Best Speaker Award Announcement	

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