

15TH INTERNATIONAL SYMPOSIUM ON WETTABILITY AND POROUS MEDIA
23 – 25 October, 2023 || University of Wyoming, Laramie, WY, USA

Title		Speaker	<u>Monday Oct 23</u>
Welcome		Saman Aryana	8:00 - 9:00 am registration, coffee, tea
Gilsonite, A Solid Bitumen with Asphaltene having Exceptional Properties		George Hirasaki	9:00 - 9:10 am: Introduction
			9:10 - 9:40 am invited talk + Q&A
			9:40 - 10:00 am biobreak
Improving Multiphase Pore-scale Transport Simulations on MicroCT Images Using Super Resolution Generative Networks		Yulman Perez Claro	10:00 - 10:20 am presentation #1
Microcalorimetric Study of Wettability Alteration of Outcrop Carbonates		Jacquelin Cobos	10:20 - 10:40 am presentation #2
Investigating the Wettability of Caprocks with Supercritical Carbon Dioxide and Brine as a Function of Pressure		Foad Haeri	10:40 - 11:00 am presentation #3
			11:00 - 11:20 am biobreak
Pore-scale Assessment of Effects of Fluid Configuration and Wettability Alteration on Relative Permeability		Ruoyi Li	11:20 - 11:40 am presentation #4
Two-phase displacements in microchannels of triangular cross-section		John Oakey	11:40 - 12:00 pm presentation #5
			12:00 - 1:00 pm lunch
			1:00 - 1:15 pm board bus/shuttle
			1:15 - 1:45 pm transport to Vedauwoo
			1:45 - 3:15 pm hike, etc.
			3:15 - 3:45 pm transport back to Hilton
			Dinner
Introduction		Saman Aryana	6:00 - 6:15 pm
History of the meeting		Norman Morrow	6:00 - 6:30 pm talk by Norm
			6:30 - 8:30 pm dinner
			<u>Tuesday Oct 24</u>
			8:30 - 9:30 am coffee, tea
Two-phase displacements in microchannels of triangular cross-section		Clayton Radke	9:00 - 9:50 am invited talk + Q&A
			9:50 - 10:10 am biobreak
Bridging adsorption behavior of CH ₄ -CO ₂ binary systems across scales		Lingfu Liu	10:10 - 10:30 am presentation #6
Wettability alteration for carbonate formations in West Texas		Bruno Reinoso	10:30 - 10:50 am presentation #7
Contact Angle measurements through micro-CT and ESEM: Technique validation and measurements on synthetic/real systems		Paola Ceragioli	10:50 - 11:10 am presentation #8
			11:10 - 11:30 am biobreak
A methodology of wettability determination conventional and unconventional reservoirs		Hasan Yildiz	11:30 - 11:50 am presentation #9
Experimental Study of Wettability Alteration and Its Effect on Oil Recovery with Chemical Injection in Unconventional Shale and Tight Rock Reservoir		Tom Tang	11:50 - 12:10 pm presentation #10
			12:10 - 1:00 pm lunch
Energy Transition		Anthony Kovscek, Abbas Firoozabadi, Eugene Holubnyak, Vladimir Alvarado	1:00 - 2:00 pm Panel discussion
			2:00 - 2:20 pm biobreak
			2:20 - 3:00 pm reservoir exercise led by Maša Prodanovic
Experimental and numerical investigation of foam in fractured media		Maša Prodanovic	3:00 - 3:20 pm presentation #11
Hydrate film formation in subsea carbon storage		Wen Song	3:20 - 3:40 pm presentation #12
			3:40 - 4:00 pm biobreak
CO ₂ Storage in Deep Saline Aquifers on the Texas Gulf Coast: Early Characterization of Wettability, Capillary Pressure and Relative-permeability		Behrooz Raisee	4:00 - 4:20 pm presentation #13
Caprock Wettability Under CO ₂ Geostorage Conditions		Alex Lee	4:20 - 4:40 pm presentation #14
From Low Salinity Ion-Tuned Waterflooding studies to more general insights into the Wettability matter, transversal within the Energy world		Paola Ceragioli	4:40 - 5:00 pm presentation #15
			<u>Wednesday Oct 25</u>
			8:00 - 9:00 am coffee, tea
TBA		Steffen Berg	9:00 - 9:30 am invited talk
Interfacial Elasticity Increase and Efficient Oil Recovery from Brine Injection		Abbas Firoozabadi	9:30 - 9:50 am presentation #16
Investigation on enhanced spontaneous imbibition effect by adding chemicals and increasing pressure for tight oil reservoir		Xiuyu Wang	9:50 - 10:10 am presentation #17
			10:10 - 10:30 am biobreak
CO ₂ Foam Mobility Control for Enhanced Oil Recovery and CO ₂ Storage		Hilde Halsøy	10:30 - 10:50 am presentation #18
Spontaneous Imbibition in Layered Petroleum Reservoirs		Akshit Agarwal	10:50 - 11:10 am presentation #19
Application of Physics-Informed Neural Networks for Estimation of Saturation Functions from Countercurrent Spontaneous Imbibition Tests		Jassem Abbasi	11:10 - 11:30 am presentation #20
Mechanistic surfactant wettability alteration model for reservoir simulators		Leonard Chang	11:30 - 11:50 am presentation #21
			11:50 - 12:45 pm lunch
			12:45 - 1:00 pm shuttle to campus
			1:00 - 3:00 pm tour of EERB and the campus
			3:00 pm shuttle back to Hilton