

12th International Symposium on Reservoir Wettability and its Effects on Oil Recovery

Wednesday, October 7:

Time	Title	Author(s)	Affiliation
8:00-8:20 AM	Attendee Check-in		
8:20-8:30	Welcoming Remarks		
Low Salinity Waterflooding (Kovscek and Barati)			
8:30-9:00 AM	Reduced-Salinity Waterfloods: Impact on Residual Oil Saturation	C. Carlisle	Chemical Tracers, Inc.
9:00 AM-9:30 AM	Smart Water Injection Method pH and salinity dependency on wettability	M. Didier, A. Chaumont, T. Joubert, I. Bondino, G. Hamon	Total, France
9:30-10:00 AM	pH and the Low Salinity Effect	P.V. Brady, C.R. Bryan, A. Fogden, N.R. Morrow	Sandia National Laboratories, Australian National University and University of Wyoming
10:00-10:30 AM	Morning Break		
Low Salinity Waterflooding (Hirasaki and Torsaeter)			
10:30- 11:00 AM	Asphaltenes & Wettability Alteration: Implications for LSE in Carbonates	C. Radke	University of California Berkeley
11:00 AM- 11.30 AM	Smart water EOR effects in sandstone: Oil recovery by low salinity slug injection	I. D. Piñerez T, T. Puntervold, S. Strand, T. Austad	University of Stavanger, Norway
11.30-12.00 PM	Secondary and Tertiary Low Salinity Waterflood In Sandstones and Carbonates Hypotheses, Facts, And Inconsistencies	G. Hamon	Total
12:00-1:30 PM	Lunch Break (lunch will be provided)		
Fundamentals of Wettability (Hamon and Tang)			
1:30-2:00 PM	Wettability: Fundamentals and Surface Forces	G.J. Hirasaki	Rice University
2:00 PM-2:30PM	Mechanistic Approach Based Experimental Determination of Maximum (Rupture) Disjoining Pressure in Complex Rock/Oil/Water Systems at Reservoir Conditions	D. Saini	California State University
2:30-3:00 PM	Uniform and Mixed Wetting at Rough Surfaces	N.R.Morrow	University of Wyoming
3:00 PM-3:30 PM	Validation of direct pore scale modeling approaches to wettability	R. Verma, M. Icardi, M. Prodanovic	University of Texas at Austin and University of Warwick, Coventry
3:30-4:00 PM	Afternoon Break		
New Developments in Imaging (Carlisle and Strand)			
4:00- 4:30 PM	A Combined Magnetic Susceptibility And CT Scanning Approach To Track The Water/Heavy Oil Front During Heavy Oil Waterflooding	D.K. Potter, P. Petrov, S. Cameron, M. London, J. Donald, W. Waterman	University of Alberta and Alberta Innovates - Technology Futures
4:30- 5:00 PM	Emulsions under Channel Flow: Effect of Channel Wall Hydrophobicity and Emulsifier Type on Emulsion Stability	B. Pilapil, M. Trifkovic, S. Bryant	University of Calgary
5:00 PM-5:30 PM	Insight Through Visualization: Dynamic Imaging of Capillary Driven Flow in Porous Media	M. A. Fernø, Å. Haugen, G. Mason, N. Morrow	University of Bergen, Statoil and University of Wyoming
6:00-8:00 PM	<i>After Dinner Talk:</i> Itchy, Burning, Red Eyes and Tear-Film Dewetting	C. J. Radke	University of California Berkeley

Thursday, October 8:

Time	Title	Author(s)	Affiliation
Wettability Alteration 1 (Potter and Ferno)			
8.30-9.00 AM	Effect of acidic crude oil volumes on core wettability in carbonate cores	P. Hopkins, T. Puntervold, S.Strand	University of Stavanger, Norway
9.00-9:30 AM	Direct Visualization of Pore-Scale Wettability Alteration due to Clays	W. Song , A.R. Kovscek	Stanford University
9:30-10.00 AM	Wettability Alteration and Imbibition Recovery for Diatomite Reservoir at Elevated Temperature	T. Tang, A. Inouye, V. Hoang, D. Lowry, P. Tong	Chevron Energy Technology Co
10:00-10:30 AM	Morning Break		
Wettability Alteration 2 (Radke and Wan)			
10:30- 11:00 AM	Evaluation of Dynamic Imbibition with Wettability Alteration	P. Kathel, K. Mohanty	University of Texas at Austin
11-11:30 AM	An Experimental Study of Effect of Nanoparticles Adsorption on Wettability Alteration for Berea Sandstone	S. Li, O. Torsæter	Norwegian University of Science & Technology (NTNU)
11:30 AM-12.00 PM	Implications of Shale Oil Compositions on Surfactant Efficacy for Wettability Alteration	L. Feng, L. Xu	Multi-Chem, Halliburton Company
12:00-1:30 PM	Lunch Break (lunch will be provided)		
Wettability and Fluid Recovery (Austad and Aryana)			
1:30 PM-2:00 PM	Thermodynamics of Wettability	G.J. Hirasaki	Rice University
2:00-2:30 PM	Capillary Pressure-Saturation Relations and Residual Saturation of CO ₂ , Oil and Air in Quartz and Limestone Sands	S. Wang, T.K. Tokunaga, J. Wan	Lawrence Berkeley National Laboratory
2:30 PM-3.00 PM	Wettability and oil recovery by polymer and polymer particles	B. S. Shiran, A. Skauge	Centre for Integrated Petroleum Research, Bergen, Norway
3:00 PM-3:30 PM	Afternoon Break		
Wettability and Spontaneous Imbibition/Final Discussion (Bryant and Brady)			
3:30-4:00 PM	Multiscale Wettability Measurements in Unconventional Light Oil Reservoirs	H. Deglint, A. Ghanizadeh, C. Debuhr, S. Aquino, A. Vahedian, F. Krause, C. Clarkson	University of Calgary
4.00-4:30 PM	Spontaneous Imbibition: The Impact of Non-Equilibrium Effects on Long-Term Behavior	S. A. Aryana, P. Torsu	University of Wyoming
4:30- 5:00 PM	An Integration of Washburn and Young Equations to Determine Reservoir Rock Wettability	H.O. Yildiz, C.H. Canbaza, S. Yamanlara, A.A. Sirkeci	Saudi Aramco
5:00 PM	Adjourn		
6:00-8:00 PM	Dinner		