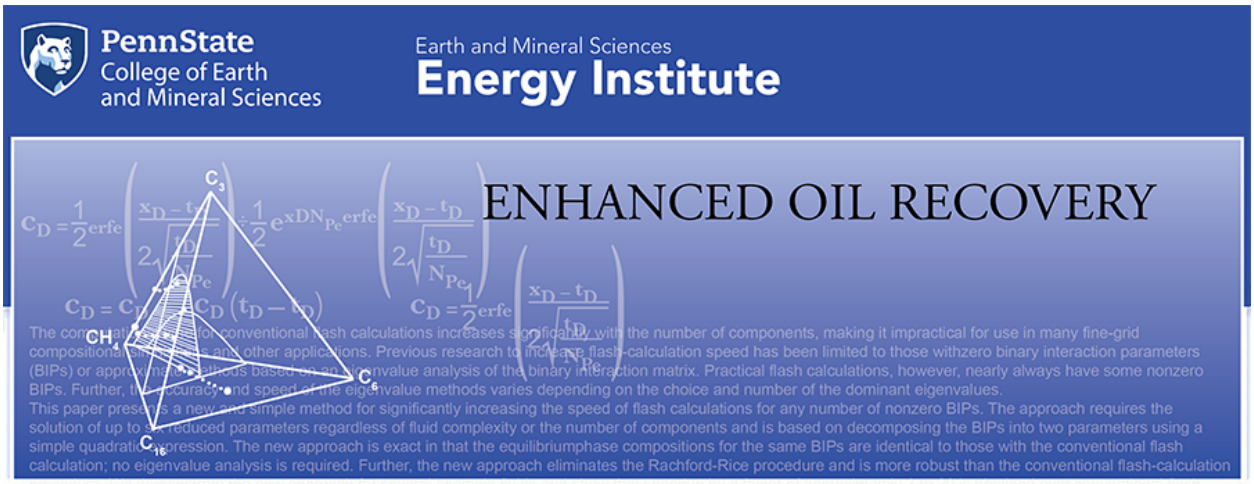

Agenda

Workshop and Reception • Thursday, November 21, 2019

C213 Coal Utilization Lab, EMS Energy Institute

2:30 – 5:00 pm	**Experimental Analysis of Alkali-Salt-Alcohol Phase Behavior with OMV Crude Oil** Daulet Magzymov, Russell Johns, and OMV staff only
5:00 – 5:30 pm	**Travel to restaurant**
5:30 – 7:30 pm	Dinner at Spats at the Grill (formerly Allen Street Grill), 100 West College Ave., 814-231-4745
	End of Workshop

Technical Presentations • Friday, November 22, 2019

C213 Coal Utilization Lab, EMS Energy Institute

8:00 – 8:10 am	**Coffee and continental breakfast**
8:10 – 8:30 am	**Welcome and Introductory Remarks** Russell Johns
8:30 – 9:00 am	**Oil Recovery from Diffusive Transport During Huff'n'Puff** Michael Cronin, Hamid Emami-Meybodi, and Russell Johns
9:00 – 9:20 am	**Demonstration of PennShale Toolkit** Michael Cronin, Hamid Emami-Meybodi, and Russell Johns
9:20 – 9:50 am	**Development of an Accurate LBM Code for Permeability Estimation from CT Images** Xiaolong Ouyang and Russell Johns
9:50 – 10:10 am	**Break**
10:10 –10:40 am	**Advances in Developing a New Relative Permeability Equation-of-State** Prakash Purswani, Russell Johns, and Zuleima Karpyn
10:40 – 11:20 am	**High Temperature Contact Angle Modeling for Enhanced Oil Recovery** Tim Duffy, Serguei Lvov, and Russell Johns
11:20 –11:50 pm	**Investigating the Effect of Oil Chemistry on Chemically-Tuned Waterflooding** Miral Tawfik, Zuleima Karpyn, and Russell Johns

Agenda Continued

Technical Presentations • Friday, November 22, 2019

C213 Coal Utilization Lab, EMS Energy Institute

11:50 – 1:00 pm	**Lunch at CUL**
1:00 – 1:30 pm	**Modeling the Effect of Reaction Kinetics and Dispersion during Low-Salinity Waterflooding** Daulet Magzymov, Prakash Purswani, Zuleima Karpyn, and Russell Johns
1:30 – 2:10 pm	**Improved Equation-of-State Modeling for Surfactant EOR and PennSurf Update** Daulet Magzymov and Russell Johns
2:10 – 2:40 pm	**Measurement of Microemulsion Phase Behavior of Complex Alcohol-Surfactant Mixtures at High Pressure** Hafsa Abubaker Hashim Abboud and Russell Johns
2:40 – 3:00 pm	**Break**
3:00 – 3:30 pm	**Theory of Bicontinuous Microemulsion Viscosity Considering Interfacial Phenomenon** Pooya Khodaparast and Russell Johns
3:30 – 4:00 pm	**Incorporation of Physical Viscosity Model into a Chemical Flooding Simulator** Pooya Khodaparast and Russell Johns
4:00 – 4:30 pm	**Compositional Dependence of Viscosity in Microemulsion Systems** Daulet Magzymov, Pooya Khodaparast, and Russell Johns
4:30 – 5:00 pm	**Discussion of Research Direction**
5:00 pm	**End of Meeting**