Dr. Clint Aichele

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Our seminar

“Probing Dynamic Interfacial Mechanisms That Govern Behavior in Liquid/Liquid and Gas/Liquid Systems”

Interfacial systems such as emulsions, particulates, sprays, and foams are ubiquitous in everyday life and in industry. The ability to predict behavior and manage these systems can be the difference between success and failure in countless engineering applications, especially in energy production. This presentation will focus on the experimental capabilities and research directions of the Aichele Research Group that target deep understanding of these complex systems. Dr. Aichele’s group addresses these topics comprehensively through projects in emulsions, particulates, hydrates, gas/liquid separations, sprays, and liquid entrainment. Particular attention will be given to the field of flow assurance, a critical component of energy production that specifically leverages chemical engineering skills. The presentation will include a discussion about several of the analytical tools that are being employed to explore these systems including nuclear magnetic resonance (NMR), interfacial tensiometry, microscopy, and phase doppler interferometry.

Thursday, October 27, 2016
Cookies and Coffee -- 1:30 P.M.
Seminar -- 1:45 P.M.
Sarkeys Energy Center, M-204

This is a required seminar for CHE 5971

Accommodations on the basis of disability are available by contacting the office.