JMU Chemistry and Biochemistry Seminar
Friday, March 15, 2018
3:35pm in ISAT 159

Lights, Camera, Action! Taking a Molecular-Level Snapshot of Atmospheric Chemistry

Dr. Nathan Kidwell
Assistant Professor
Department of Chemistry
The College of William & Mary
Williamsburg, VA

The Earth's atmosphere has experienced an unprecedented transformation in its chemical composition due to anthropogenic and biogenic emissions. This presents a challenge to the scientific community seeking to provide a molecular-scale understanding of the impact on the atmosphere. The development of accurate models to predict atmospheric reactions draws upon experimental data encompassing spectroscopy, dynamics, and kinetics. I will discuss recent results from our laboratory, focusing on the (photo)chemistry of atmospherically-relevant molecules. Using laser spectroscopy and imaging methods complemented by high-level theory, we address the outcomes from solar absorption and the atmospheric implications.

Meet the Speaker, 2:15 – 3:00pm, Student Lounge, 3144
Seminar, 3:35pm, ISAT 159