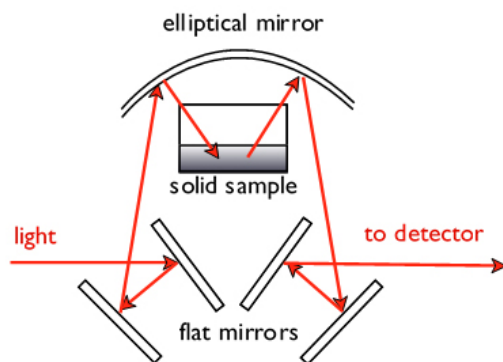


Department of Mathematics

Fall 2015 Colloquium Series



“Investigation of Surfaces using the Diffuse Reflectance Infrared Fourier Transform Spectroscopy Technique”

Dr. Chris Harmon,
Assistant Professor of Chemistry
Humboldt State University

Thursday, October 1, 2015

Behavioral and Social Sciences Building Room 166, 4 p.m.

Diffuse reflectance infrared Fourier transform spectroscopy, or DRIFTS, is a surface sensitive technique that can be used to study fundamental interactions and reactions at molecular interfaces. The DRIFTS technique is a powerful analytical method as it can be used to monitor chemistry *in-situ*, where a host of different applications such as the performance of catalyst, fundamental atmospheric interactions, and more generally heterogeneous processes can be examined.

Dr. Chris Harmon holds a B.S. in Chemistry from Purdue University in Indiana, worked for the US EPA in Chicago as an analytical chemist in 2004-2005 and received his Ph.D. UC Irvine in Physical Chemistry 2005-2009 and Post-Doc at the Advanced Light Source at Lawrence Berkeley National Lab 2009-2011. For a complete abstract, go to <http://www.humboldt.edu/math/news-and-events/math-colloquium>

We invite you to the Pre-colloquium Tea on the third floor of the BSS building at 3:30 on Thursday.