

# **Please join us for the INSTAAR Noon Seminar**

Monday November 2, 2015, 12 Noon  
Room 620, ARC Building, East Campus

Dr. James Roberts  
NOAA/Earth Sciences Research Laboratory  
Chemical Sciences Division

## **"Wildfires in Western North America: Towards a New Understanding of Their Chemistry"**

Wildfires are becoming more frequent and more intense in the western U.S. and are expected to increase in importance due to a shift in forest management practices, and projected warmer, drier regional climate. These fires have climate, air quality and health impacts that result from the chemical and physical properties of emissions. NOAA's Chemical Sciences Division is leading a multi-year, multi-platform research project, Fire Influence on Regional and Global Environments Experiment, (FIREX), aimed at improving our understanding of Wildfire impacts. I will talk about some current research on fire emissions, focusing primarily on nitrogen species, and their photochemical and multi-phase processing.

