



University of New Hampshire

# Fall 2017 Environmental Sciences Seminar Series

## Friday, November 17

2:30 –3:30pm **McConnell Hall Room 220**

**Dr. Emily Fischer**

Assistant Professor, Department of Atmospheric Science  
Colorado State University

### Investigating the Impact of Wildfires on U.S. Air Quality Across Multiple Scales

Western U.S. wildfires are large dynamic sources of particulate matter and ozone precursors. Smoke can be transported long distances to deteriorate air quality over very large regions. Fire severity and frequency are expected to increase in the future as anthropogenic emissions continue to decline. Thus the relative importance of wildfires as a source of air pollutants is likely to increase. Dr. Fischer will discuss which fires currently produce sufficient smoke to warrant a U.S. NWS smoke forecast, where that smoke typically travels, and how it impacts both particulate matter and ozone abundances downwind. She will also provide an overview of the major upcoming field intensives aimed at understanding the chemical evolution of wildfire smoke.



*Host: [Dr. Jack Dibb](#), Research Associate Professor, ESRC/NRESS Faculty  
The Fall Environmental Sciences Seminar Series is sponsored by the Natural Resources and Earth Systems Science (NRESS) Ph.D. Program, in partnership with the Earth Systems Research Center, and the Natural Resources and the Environment and Earth Sciences Departments.*

Free - All are Welcome (No RSVP necessary)