



# SSEC Director Search Candidate Presentation

## A Cross Disciplinary, Multi-Tool Approach to Support Regional and Global Air Quality Assessment and Forecasting

*“Think globally, act locally”*

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Air quality impacts human health (through respiratory, pulmonary, and cancer risk factors), ecosystems (through crop yields and loss of biodiversity) and regional climate (through aerosol direct and indirect effects). This seminar presents an overview of recent research in air quality modeling, field campaigns, and chemical data assimilation focusing on understanding ozone air quality issues across a wide range of spatial and temporal time scales. Preliminary results from the 2017 Lake Michigan Ozone Study (LMOS) and the recently completed Aura Chemical Reanalysis are used to assess air pollution problems on scales ranging from mesoscale lake-breeze to planetary ENSO circulations.



Monday, 23 April 2018

9:00 - 10:30 a.m.

Weeks Hall AB20



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