

The YIBS Center for the Study of Global Change

presents

Forum on Aerosols and Climate

Friday, March 26 and Saturday, March 27, 2010



Saturday, March 27, 2010

AEROSOLS, CLOUDS AND CLIMATE

Friday, March 26, 2010

FUNDAMENTAL CHEMISTRY AND PHYSICS OF AEROSOLS

2 PM • Peter Buseck, Arizona State University
Aerosol particles as viewed using transmission electron microscopy

3:30 PM • Allen Goldstein, University of California, Berkeley
*Known and unexplored organic constituents in Earth's atmosphere:
How well do we understand organic aerosols and their role in the climate system?*

4:30 PM • Athanasios Nenes, Georgia Tech
Impacts of aerosols on clouds and climate

5:30 PM • Reception – KGL 102

8 AM • Continental Breakfast/KGL 102

9 AM • V. Ramaswamy, Geophysical Fluid Dynamics Laboratory (GFDL), National Oceanic and Atmospheric Administration (NOAA)
The imprint of aerosol microphysics on climate

10:30 AM • Daniel Rosenfeld, Hebrew University
From expanding marine stratocumulus to suppressing hurricanes: climate forcing through aerosol impact on precipitation

11:30 AM • Bjorn Stevens, Max-Planck-Institut Meteorologie, Hamburg
Untangling the effects of aerosols on clouds, precipitation and climate

12:30 PM - Lunch Break

MEASUREMENTS, RECORDS and MODELING

1:30 PM • Lynn Russell, Scripps Institution of Oceanography
Tracking the contributions of organic particles and some possible implications for aerosol forcing

3 PM • Joseph McConnell, Desert Research Institute, University of Nevada
Aerosols in the polar regions during the past millennium from ice core measurements

4 PM • Dorothy Koch, Goddard Institute for Space Studies (GISS), National Aeronautics and Space Administration (NASA) and Yale University
Aerosol-climate interactions during the 20th Century in the GISS model

NOTE: We ask that you please register attendance with Rose Rita Riccitelli at roserita.riccitelli@yale.edu or by phone at (203) 432-9856

Schedule can be found at http://www.yale.edu/yibs/events_special.html



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