

# Special Physical Chemistry Seminar

Tuesday,  
May 11, 2010

11:00 a.m.

Room 1315  
Chemistry Building

## Atmospheric Chemistry Research at Howard University: Science, Students and Opportunities



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Air pollution remains a widespread global problem that degrades human health. For example, over 100 million Americans living in 114 different areas of the country are exposed to levels of air pollution that exceed one or more health-based standards. During the last decade air quality forecasting initiatives have been created by many governments worldwide with the goal of providing decision makers and the general population with daily forecasts to allow them to better cope with air pollution. Air quality is determined by many complex, coupled, nonlinear physical and chemical processes. Howard University undergraduate and graduate students make field observations, perform laboratory experiments and use computer modeling to better understand this science. The presentation will focus on our students, their research and how their work is being applied to improve the understanding of atmospheric chemistry and its application to improve air quality forecasting for NOAA and the U.S. EPA.