



Richard H. Moore

**4th-year Ph.D. Candidate, Chemical Engineering, Georgia Tech
Advisor: Dr. Athanasios Nenes**

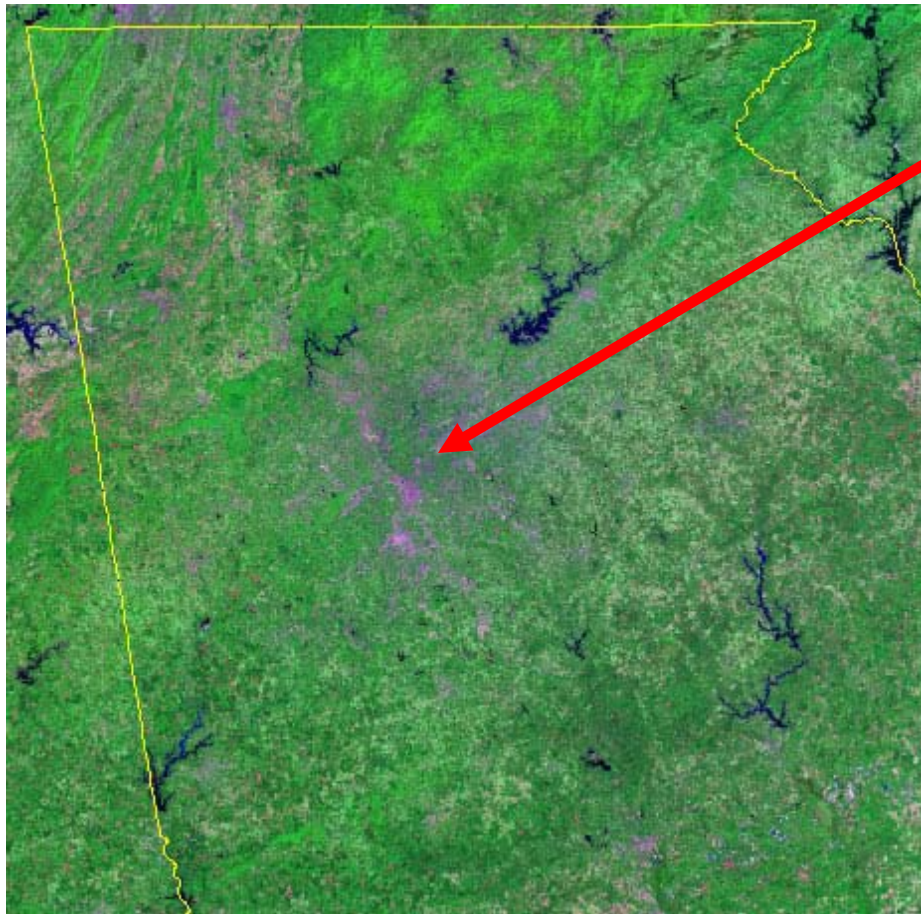
**M.S., Chemical Engineering, Bucknell University, May 2006
Thesis: Hygroscopicity of Atmospheric Aerosols
Advisor: Dr. Timothy Raymond**

B.S., Chemical Engineering, Bucknell University, May 2004

Research Interests:

- **Instrumentation for Ambient Measurements of Aerosol – Water Interactions**
- **Characterization of Arctic Haze Cloud Condensation Nuclei (CCN)**
- **CCN properties of both urban and biogenic aerosol in Atlanta, Georgia**

Photo: R. Moore, Fairbanks International Airport



Surrounded by forest, Atlanta provides an ideal location to study, in-situ the effects of urban pollution on biogenic aerosols as they are transported into the city.

Understanding aerosol – water interactions allows us to infer climatically-relevant properties of the aerosol, such as chemical composition and growth kinetics parameters.

Instrumentation atop the Georgia Tech rooftop measurement platform in midtown Atlanta allows these interactions to be characterized using Scanning Flow CCN Analysis (SFCA).

Moore and Nenes, *Aerosol Sci. Technol.*, in review.

