

Sungshik Kim



Graduate Institution: Harvard University

Graduate Discipline: Atmospheric Chemistry

Hometown: Tallahassee, FL

Relevant SC Research: Biological and Environmental Research

Research Interest:

My research interests are rooted in using satellite observations as top-down constraints on atmospheric composition (in particular, pollutants such as aerosols, carbon monoxide, and tropospheric ozone) in order to improve our understanding of atmospheric processes and to use this information to test and improve the representation of these processes in global chemical transport models (CTMs). This includes development and testing of remote sensing retrieval algorithms, using a CTM as a transfer platform for comparison of in-situ and remotely sensed measurements, and model testing and development with improved physics and sub-grid scale parameterizations.

Mostly, I am deeply grateful to the DOE for making this all possible, and for introducing me to the wonderful members of the 2010 cohort. It's crazy to think that we're already heading into the last year of our fellowship, but it's been a fun ride. And to the new cohort: good luck!

About Me:

I am currently a 3rd year graduate student in the Atmospheric Chemistry Modeling Group at Harvard. I am a member of the American Geophysical Union (AGU), Tau Beta Pi, and the American Institute of Chemical Engineers (AIChE). In my copious amounts of free time, I enjoy watching Boston sports, hiking, and catching up on my Netflix queue.



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