

Kara Sulia

“Kara”



Graduate Institution: Penn State University

Location: University Park, Pennsylvania

Graduate Discipline: Meteorology

Hometown: Cookstown, New Jersey

Research Interests:

My main goal as a researcher is to learn as much as I can. I strive to understand the core physicality of nature as a whole through science. My research focus involves improving understanding of Physical Meteorology, and the inter-workings of the Atmospheric Cloud Systems. More specifically, I study the habit evolution of ice crystals within cold atmospheric clouds and how to improve the prediction of ice crystal evolution in detailed cloud models. I do this using a combination of theory, numerical models, and laboratory experimentation.

About me:

I am a recent graduate from Penn State University with a Bachelor of Science in Meteorology. I began researching in November 2008, and became enrolled as a graduate student at Penn State in January 2010 in order to continue on my current research path. Presently, I am working on the theoretical development of ice crystal growth and habit evolution, and I plan to extend my knowledge through laboratory experiments in order to obtain realistic data on ice growth. My eventual goal is a Ph.D. in physical meteorology, and then to extend my career as a research scientist at a national laboratory or within a university setting.

My research has taken me above and beyond what I could have hoped for. Not only has my knowledge and passion for the subject increased exponentially, but I am truly fortunate to have had the opportunity to form working relationships with scientists at both NCAR and NOAA in Boulder, CO. These collaborations have brought my research to a new level, and I find myself realizing how little I know, and how much I have yet to learn.

Research aside, as a goal-oriented person, I find myself enjoying life most when I am busy and centered. I achieve this by staying active daily through running, hiking, swimming, and occasionally biking. In addition, I spend a good portion of my free time snowboarding during the winter months. I enjoy expanding my horizons by visiting a new place, or taking drawing or music lessons. Whatever the activity may be, physical or not, it is most important for me to try something new, and learn everyday.



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