

Education:

B.S.	Computer Science	University at Albany	In Progress
Ph.D.	Meteorology	Penn State University University Park, PA	August 2013
<i>Discerning Environmental Dependencies of Mixed-Phase Cloud Lifetime with a Focus on Ice Particle Habit Evolution</i>			
Dissertation Advisor: Dr. Jerry Y Harrington, Penn State University			
B.S.	Meteorology	Penn State University University Park, PA	December 2009

Professional Appointments:

Sept 2014 - Present	Research Associate & xCITE Lab Director, Atmospheric Sciences Research Center, University at Albany, State University of New York
Sept 2013 - Aug 2013	Postdoctoral Research Associate, NOAA/Geophysical Fluid Dynamics Laboratory, Atmospheric and Oceanic Sciences, Princeton University
Jan. 2010 - Aug 2013	Graduate Research Assistant, Department of Meteorology, Penn State University
May – August 2009	NSF Research Experience for Undergraduate Internship, Department of Meteorology, Penn State University
Fall 2008 – Dec 2009	Undergraduate Independent Research, Department of Meteorology, Penn State University
June – August 2008	DEVELOP Undergraduate Research Assistant, NASA Goddard Space Flight Center

Technical Skills:

- Languages:
 - Enhanced proficiency: Fortran, Python, IDL, React Native, ReactJS, JavaScript
 - Moderate proficiency: C, Java, Perl, Assembly, MatLab
 - Developing proficiency: HTML/CSS, Bash, SQL
- Public Models:
 - Enhanced proficiency: Weather Research and Forecasting (WRF) Model
- Computer Engineering
 - Moderate Proficiency: High-Performance Computing, GPU Computing
 - Developing proficiency: Systems Architecture, Compilers, Machine Learning (Tensorflow/Keras), API Development
- Operating Systems: Mac OSX, Linux/Unix
- Tools: Docker, GitHub, LaTeX, Microsoft Office, Adobe Illustrator and Photoshop
- Project Management
- Technical Writing

Teaching/Mentoring Experience:

August 2022-Present	Research Advisor to Ph.D. student, Mr. D. Aaron Evans
August 2021-Present	Research Advisor to Ph.D. student, Ms. Carly Sutter
Spring 2019	Volunteer Course Instructor, Cloud and Precipitation Physics
Summer 2019	PIRE Undergraduate Student Exchange Mentor, Ms. Jo-Yu Wu
Spring 2017, 2018, 2020, 2022	Volunteer Course Instructor, Atmospheric Physics
August 2018-Present	Primary Research Advisor to Ph.D. student, Ms. Yichen Cai
August 2016-2021	Primary Research Advisor to Ph.D. student, Ms. Vanessa Przybylo
August 2016-2021	Primary Research Advisor to Ph.D. student, Ms. Lauriana Gaudet
Summer 2018	PIRE Undergraduate Student Exchange Mentor, Ms. Sin-Yin Syu
Summer 2018	PIRE Undergraduate Student Exchange Mentor, Ms. Jessica Blair
Summer 2017	PIRE Undergraduate Student Exchange Mentor, Ms. Pei-Hsin Liu
Sept 2012 - May 2013	Assistant research mentor to undergraduate, Ms. Jennifer VanDerHorn and graduate student, Mr. Benjamin Sherman
Spring 2010	Teaching Assistant, Department of Meteorology, Penn State University

Professional Activities:

2022 - Present	Co-Principal Investigator, CHGE-funded award, <i>Estimated Time of Repair Project</i>
2021 - Present	ASRC IT Assessment Lead
2020 - Present	Contributing Investigator, NSF Funded Award, <i>AI Institute: Artificial Intelligence for Environmental Sciences (AI2ES)</i>
2020 - Present	Principal Investigator, DOE-funded award, <i>Classification of Cloud Particle Imagery and Thermodynamics (COCPIT): A New Databasing Tool for the Characterization of Cloud Particle Images Captured During DOE Field Campaigns</i>
2020 - Present	Co-Principal Investigator, NYSERDA-funded award, <i>Using NYS Mesonet Data For ISM-Based Renewable, Load, and Outage Forecasts</i>
2020 - Present	Member, University at Albany Weather and Climate Enterprise Board
2019 - Present	Director, ASRC xCITE Lab
2019 - Present	Member, American Meteorological Society Cloud Physics Committee
2019 - Present	Member, New York State Mesonet Advisory Board
March 2018	DOE Atmospheric Systems Research Proposal Review Panel
2017 - 2019	Science and Innovation Lead, ASRC ExTreme Collaboration, Innovation, and Technology (xCITE) Laboratory
2016 - Present	Principal Investigator, DOE-funded award, <i>Investigating the Evolution of Ice Particle Distributions in Mixed-Phase Clouds</i>
2015 - Present	Contributing Investigator, NSF-funded US-Taiwan PIRE: <i>Building Extreme Weather Resiliency Through Improved Weather and Climate Prediction and Emergency Response Strategies</i>
2014 - 2017	Chair, ASRC Graduate Recruitment/Fellowship Committee
August 2014	National Science Foundation Outreach Program, Barrow, AK
2013 - Present	Peer Reviewer: - Journal of Geophysical Research – Atmospheres (3)

	<ul style="list-style-type: none"> - Journal of Applied Meteorology and Climatology (1) - Journal of Advanced in Earth Modeling Systems (2) - Journal of the Atmospheric Sciences (3) - Monthly Weather Review (3) - Atmospheric Chemistry and Physics (1) - Geophysical Research Letters (1)
January - Feb 2012	National Center for Atmospheric Research Visitor Program – Dr. Hugh Morrison
December 2010	Session Co-Convener, American Geophysical Union Fall Meeting
December 2010	Book Review for Cambridge Academic Press
2007 - Present	Member of the American Meteorological Society
2008 - Present	Member of the American Geophysical Union

Publications: *Advising Student

- *Przybylo, V, K. J. Sulia, Z. Lebo, and C G. Schmitt, 2022: The Ice Particle and Aggregate Simulator (IPAS). Part III: Verification and Analysis of Ice-Aggregate and Aggregate-Aggregate Collevtion for Microphysical Parameterization. *J. Atmos. Sci.*, 79 (6), 1651-1667, 10.1175/JAS-D-21-0180.1.
- *Przybylo, V, K. J. Sulia, Z. Lebo, and C G. Schmitt, 2022: The Ice Particle and Aggregate Simulator (IPAS). Part II: Analysis of a Database of Theoretical Aggregates for Microphysical Parameterization. *J. Atmos. Sci.*, 79 (6), 1633-1649, 10.1175/JAS-D-21-0179.1.
- *Przybylo, V, K. J. Sulia, C G. Schmitt, and Z. Lebo, 2022: Classification of Cloud Particle Imagery from Aircraft Platforms Using Convolutional Neural Networks. *J. Atmos. Oceanic Tech.*, 39, 405-424, 10.1175/JTECH-D-21-0094.1.
- *Gaudet, L, K. J. Sulia, T.-C. Tsai, J.-P. Chen, J. P. Blair, 2021: Assessment of a Microphysical Ensemble Used to Investigate the OWLeS IOP4 Lake-Effect Storm. *J. Atmos. Sci.*, 78 (5), 1607-1628, 10.1175/JAS-D-20-0045.1.
- Sulia, K. J., Z. J. Lebo, *V. Przybylo, and C. G. Schmitt, 2021: A new method for ice-ice aggregation in the Adaptive Habit Model. *J. Atmos. Sci.*, 78, 133-154, 10.1175/JAS-D-20-0020.1.
- Schmitt, C. G., K. J. Sulia, Z. J. Lebo, A. J. Heymsfield, *V. Przybylo, P. Connolly, 2019: The variability of the terminal velocity of similarly sized ice particles. *J. Appli. Met. Climatol.*, 58, 1751-1761, 10.1175/JAMC-D-18-0291.1.
- *Gaudet, L, K. J. Sulia, F. Yu, and G. Luo, 2019: Sensitivity of Lake-Effect Cloud Microphysical Processes to Ice Crystal Habit and Nucleation during OWLeS IOP4. *J. Atmos. Sci.*, 76, 3411-3434, 10.1175/JAS-D-19-0004.1.
- *Przybylo, V, K. J. Sulia, C G. Schmitt, and Z. Lebo, 2019: The Ice Particle and Aggregate Simulator (IPAS). Part I: Extracting dimensional properties of ice-ice aggregates for microphysical parameterization. *J. Atmos. Sci.*, 76, 1661-1676, 10.1175/JAS-D-18-0187.1
- Sulia, K. J. and M. R. Kumjian, 2017: Simulated Polarimetric Fields of Ice Vapor Growth Using the Adaptive Habit Model. Part I: Large-Eddy Simulations. *Mon. Wea. Rev.*, 145, 2281-2302, 10.1175/MWR-D-16-0061.1.
- Sulia, K. J. and M. R. Kumjian, 2017: Simulated Polarimetric Fields of Ice Vapor Growth Using the Adaptive Habit Model. Part II: A Case Study from the FROST Experiment. *Mon. Wea. Rev.*, 145, 2303-2323, 10.1175/MWR-D-16-0062.1.
- Sulia, K., J.Y. Harrington, and H. Morrison, 2014: Dynamical and microphysical evolution during mixed-phase cloud glaciation simulated using the bulk adaptive habit prediction model. *Journal of the Atmospheric Sciences*, 71, 4158-4180, 10.1175/JAS-D-14-0070.1.
- Ovchinnikov, M., A.S. Ackerman, A. Avramov, A. Cheng, J. Fan, A.M. Fridlind, S. Ghan, J.Y. Harrington, C. Hoose, A. Korolev, G.M. McFarquhar, H. Morrison, M. Paukert, J. Savre, B. Shipway,

- M.D. Shupe, A. Solomon and K. Sulia, 2014: Intercomparison of large-eddy simulations of Arctic mixed-phase clouds: Importance of ice size distribution assumptions. *Journal of Advances in Modeling Earth Systems*, 6, 10.1002/2013MS000282.
- Sulia, K., J. Y. Harrington, and H. Morrison, 2013: A method for adaptive habit prediction in bulk microphysical models: Part III: Applications and studies within a two-dimensional kinematic model. *Journal of the Atmospheric Sciences*, 70 (10), 3302-3320, 10.1175/JAS-D-12-0316.1.
- Harrington, J. Y., K. Sulia, and H. Morrison, 2013: A method for adaptive habit prediction in bulk microphysical models: Part I: Theoretical Development. *Journal of the Atmospheric Sciences*, 70 (2), 349-364, 10.1175/JAS-D-12-0040.1.
- Harrington, J. Y., K. Sulia, and H. Morrison, 2013: A method for adaptive habit prediction in bulk microphysical models: Part II: Parcel model corroboration. In press, *Journal of the Atmospheric Sciences*, 70 (2), 365-376, 10.1175/JAS-D-12-0152.1.
- Morrison, H., G. de Boer, G. Feingold, J. Y. Harrington, M. Shupe, and K. Sulia, 2012: Self-organization and resilience of Arctic mixed-phase clouds. *Nature Geoscience*, 5, 11-17, 10.1038/NNGEO1332.
- Sulia, K. and J. Y. Harrington, 2011: Ice Aspect Ratio Influences on Mixed-Phase Clouds. Impacts of Phase Partitioning in Parcel Models. *Journal of Geophysical Research*, 116, D21309, 10.1029/2011JD016298.
- Ervens, B., G. Feingold, K. Sulia, and J. Y. Harrington, 2011: The Impact of Microphysical parameters, ice nucleation mode, and habit growth on ice/liquid partitioning in mixed-phase Arctic clouds. *Journal of Geophysical Research*, 116, D17205.
- Sheridan, L., J. Y. Harrington, D. Lamb, and K. Sulia, 2009: Influences of ice aspect ratio on the evolution of particle size spectra during vapor depositional growth. *Journal of Atmospheric Sciences*, 66, 3732-3734, 10.1175/2009JAS113.1.

Conference Proceedings: **Advising Student*

Invited Talks

- *Okamura, Kaelia, K. J. Sulia, A. H. Fagg, A. Kurbanovas, N. P. Bassill, C. D. Thorncroft, and J. A. Brotzge, 2022: Using NYS Mesonet Images to Classify Precipitation with Deep Learning, *21st Annual Student Conference*, Amer. Meteor. Soc., 102nd Annual Meeting, Houston, TX.
- *Gaudet, L. C. and K. J. Sulia, 2022: The Quantification of Winter-Season Forecast Uncertainty across New York State, *21st Conference on Artificial Intelligence for Environmental Science*, Amer. Meteor. Soc., 102nd Annual Meeting, Houston, TX.
- *Pan, Joshua, K. J. Sulia, A. Kurbanovas, A. H. Fagg, N. P. Bassill, and C. D. Thorncroft, 2021: Automated Classification of Cloud Particle Imagery through the Use of a Convolutional Neural Network. In proceedings, *21st Conference on Artificial Intelligence for Environmental Science*, Amer. Meteor. Soc., 102nd Annual Meeting, Houston, TX.
- Zachary J. Lebo, B. Denny, K. J. Sulia, V. M. Przybylo, and C. G. Schmitt, 2022: Ice Crystal Microphysical and Thermodynamic Histories in Convective Clouds. Collective Madison Meeting, Amer. Met. Soc., Madison, WI.
- *Cai, Y. and K. J. Sulia, 2021: The Importance of Ice Microphysics in Lightning Production. In Proceedings, *10th Conference on the Meteorological Application of Lightning Data*, Virtual, Amer. Meteor. Soc.
- *Gaudet, L. C. and K. J. Sulia, 2021: Exploring the Applications of New York State Mesonet Data for Ensemble Verification: A Case Study of a Heavy Rain Event. In Proceedings, *Ninth Symposium on the Weather, Water, and Climate Enterprise*, Virtual, Amer. Meteor. Soc.
- *Przybylo, V., K. Sulia, Z. Lebo, and C. G. Schmitt, 2021: Automated Classification of Cloud Particle Imagery through the Use of a Convolutional Neural Network. In proceedings, *20th Conference on Artificial Intelligence for Environmental Science*, Virtual, Amer. Meteor. Soc.

- *Gaudet, L. C. and K. J. Sulia, 2020: Assessing the Robustness of Microphysical Process Representation in an Adaptive Habit Model by Means of Stochastic Parameterizations. In proceedings, *26th Conference on Numerical Weather Prediction*, Boston, MA, Amer. Meteor. Soc.
- *Przybylo, V., K. Sulia, Z. Lebo, and C. G. Schmitt, 2020: The Ice Particle and Aggregate Simulator (IPAS): Investigating Aggregate Properties Using a Multifaceted Modeling Approach. In proceedings, *26th Conference on Numerical Weather Prediction*, Boston, MA, Amer. Meteor. Soc.
- *Gaudet, L. C. and K. J. Sulia, 2019: Sensitivity of Lake-Effect Cloud Microphysical Processes to Ice Crystal Habit and Nucleation during OWLeS IOP4. In proceedings, *11th Symposium on Aerosol-Cloud-Climate Interactions*, Phoenix, AZ, Amer. Meteor. Soc.
- *Przybylo, V., K. Sulia, Z. Lebo, and C. G. Schmitt, 2019: Investigating Aggregate Properties Using a Multi-Faceted Modeling Approach. In proceedings, *2019 ASR Science Team Meeting*, Bethesda, MD.
- Sulia, K., A. Kurbanovas, M. Beauharnois, and W. May, 2018: Machine learning in the xCITE Lab: New Endeavors at the Atmospheric Sciences Research Center. In proceedings, *2018 ASR Science Team Meeting*, Tysons Corner, VA.
- Sulia, K., M. Kumjian, and H. Morrison, 2013: Using a model of crystal aspect ratio to reveal the polarimetric radar fingerprint of ice depositional growth. In proceedings, *2013 ASR Fall Working Group*, Rockville, Maryland.
- Sulia, K., J.Y. Harrington, and H. Morrison, 2012: On the influence of ice habit on Arctic cloud phase partitioning: With insight into ice particle parameterizations. In Proceedings, *2012 DOE ASR Science Team Meeting*, Crystal City, VA.

Papers and Poster Presentations

- Schmitt, C., Z. Lebo, K. Sulia, K. and *V. Przybylo, V., 2019: How Important is Microphysical Variability to Atmospheric Cloud Processes? In proceedings, *2019 ASR Science Team Meeting*, Bethesda, MD.
- *Blair, J, K. Sulia, J. P. Chen, and *L. C. Gaudet, 2019: Microphysical Influences on Ensemble Members in the December 15-16, 2013 OWLeS Case. In proceedings, *18th Annual Student Conference*, Phoenix, AZ, Amer. Meteor. Soc.
- *Gaudet, L. C. and K. J. Sulia, 2018: Investigating the Sensitivity of Ice Crystal Habit and Nucleation on Hydrometeor Sedimentation Rates. In proceedings, *15th Conference on Cloud Physics*, Vancouver, BC, Amer. Meteor. Soc.
- *Przybylo, V., K. Sulia, C. Schmitt, Z. Lebo, and W. May, 2018: Use of an Ice Particle and Aggregate Simulator to extract dimensional properties of ice-ice aggregates for microphysical parameterization. In proceedings, *15th Conference on Cloud Physics*, Vancouver, BC, Amer. Meteor. Soc.
- *Gaudet, L. C. and K. J. Sulia, 2018: Investigating the Sensitivity of Nucleation Parameterization and Crystal Habit on Ice Growth. In proceedings, *10th Symposium on Aerosol-Cloud-Climate Interactions*, Austin, TX, Amer. Meteor. Soc.
- *Przybylo, V., K. Sulia, C. Schmitt, Z. Lebo, and W. May, 2018: Use of an Ice Particle and Aggregate Simulator to extract dimensional properties of ice-ice aggregates for microphysical parameterization. In proceedings, *2018 ASR Science Team Meeting*, Tysons Corner, VA.
- *Gaudet, L. C. and K. J. Sulia, 2017: The Sensitivity of Nucleation Parameterization on Non-Spherical Ice Growth: Consequences for Extreme Precipitation. 14th Annual AOGS Meeting, Singapore, Asia Oceania Geosciences Society, AS36-A033.
- Schmitt, C., K. Sulia, Z. Lebo, and *V. Przybylo, 2017: Estimates of ice crystal terminal velocity using IPAS. In proceedings, *2017 ASR Science Team Meeting*, Tysons Corner, VA.
- Sulia, K, F. Yu, Q. Min, G. Luo, M. Gibbon, L. Gaudet, Y. Du and Y. Zhang, 2017: The Importance of Microphysical Process Parameterizations on Extreme Weather. *14th Annual AOGS Meeting*, Singapore, Asia Oceania Geosciences Society.
- Sulia, K., J. Y. Harrington, and H. Morrison, 2014: On the prediction of ice habit for models: Influences on mixed-phase cloud glaciation. In proceedings, *14th Conference on Cloud Physics*, Boston,

Massachusetts.

- Ovchinnikov, M., A. S. Ackerman, A. Avramov, A. Cheng, J. Fan, A. M. Fridlind, S. Ghan, J. Harrington, C. Hoose, A. Korolev, G. McFarquhar, H. Morrison, M. Paukert, J. Savre, B. Shipway, M. Shupe, A. B. Solomon, and K. Sulia, 2014: Intercomparison of large-eddy simulations of Arctic mixed-phase clouds: Importance of ice size distribution assumptions. In proceedings, *14th Conference on Cloud Physics*, Boston, Massachusetts.
- Lu, Y., K. Aydin, E. E. Clothiaux, J. Verlinde, J. Van Der Horn, K. Sulia, and J. Y. Harrington, 2014: Evaluation of cloud microphysical models with habit prediction using polarimetric radar observables. In proceedings, *14th Conference on Cloud Physics*, Boston, Massachusetts.
- Sulia, K., J. Y. Harrington, and H. Morrison, 2013: On the influence of ice habit on Arctic cloud phase partitioning: With insight into particle parameterizations. In proceedings, *2013 ASR Science Team Meeting*, Potomac, Maryland.
- Sulia, K., J. Y. Harrington, and H. Morrison, 2012: On the influence of ice habit on Arctic cloud phase partitioning: Kinematic studies of a new adaptive habit growth model. In proceedings, *16th International Conference on Clouds and Precipitation*, Leipzig, Germany.
- Sulia, K., J. Y. Harrington, and H. Morrison, 2012: On the influence of ice habit on Arctic cloud phase partitioning: With insight into particle parameterizations. In proceedings, *8th International Cloud Modeling Workshop*, Warsaw, Poland.
- Sulia, K., J. Y. Harrington, and H. Morrison, 2011: On the influence of ice habit on the lifetime of arctic mixed-phase clouds. In proceedings, *2011 ASR Science Team Meeting*, San Antonio, Texas.
- Sulia, K., Z. Lebo, and J. Y. Harrington, 2011: Broadening of drop-size spectra by ice crystal vapor growth. In proceedings, *2011 ASR Science Team Meeting*, San Antonio, Texas.
- Ervens, B. G. Feingold, K. Sulia, J. Y. Harrington, 2010: On the role of ice formation mechanisms and habit growth in the maintenance of mixed-phase Arctic stratus. In proceedings, *2010 AGU Fall Meeting*, San Francisco, California.
- Sulia, K. and J. Y. Harrington, 2010: On the prediction of ice habit for models: Influences on mixed-phased cloud maintenance. In proceedings, *2010 AGU Fall Meeting*, San Francisco, California.
- Sulia, K. and J. Y. Harrington, 2010: On the prediction of ice habit for models: Influences on mixed-phased cloud glaciation. In proceedings, *2010 Earth and Mineral Sciences Graduate Student Poster Session*, University Park, Pennsylvania.
- Ervens, B. G. Feingold, K. Sulia, J. Y. Harrington, 2010: Impacts of ice nucleation modes and ice crystal habits on mixed-phase cloud lifetime. In proceedings, *13th Conference on Cloud Physics*, Portland, Oregon.
- Harrington, J. Y., A. Moyle, K. Sulia, and E. Davis, 2010: The button-electrode thermal gradient diffusion chamber. In proceedings, *13th Conference on Cloud Physics*, Portland, Oregon.
- Sulia, K., J. Y. Harrington, and H. Morrison, 2010: On the prediction of ice habit for models: Influences on mixed-phased cloud glaciation. In proceedings, *13th Conference on Cloud Physics*, Portland, Oregon.
- Harrington, J. Y., K. Sulia, H. Morrison, and C. Zhang, 2010: On the parameterization of ice crystal growth in numerical cloud models. In proceedings, *Arm Science Team Meeting*, Bethesda, Maryland.
- Harrington, J. Y., A. Avramov, C. Zhang, K. Sulia, and D. Lamb, 2009: Influence of parameterized ice habit on the glaciation of Arctic clouds. In proceedings, *ARM Science Team Meeting*, Louisville, Kentucky.
- Harrington, J. Y., A. Avramov, C. Zhang, K. Sulia, and D. Lamb, 2009: Influence of parameterized ice habit on the glaciation of Arctic clouds. In proceedings, *10th Conference on Polar Meteorology and Oceanography*, Madison, Wisconsin.

Invited Talks:

September 2020

Invited Talk, 2nd Session of the Lightning Talks on Artificial Intelligence & Cybersecurity, Division for Research, Univ. at Albany

March 2020	Seminar Speaker of Spring 2020, Univ. of Illinois
August 2014	Invited Talk, Saturday Schoolyard Seminar Series, Barrow Arctic Science Consortium, Barrow, Alaska
March 2014	Invited Talk, 2014 Department of Energy Atmospheric Systems Research Science Team Meeting
February 2014	Invited Talk, Atmospheric Science Research Center, The University at Albany
November 2013	Invited Talk, 2013 Department of Energy Atmospheric Systems Research Fall Working Group Meeting
February 2013	Invited Talk, NOAA Geophysical Fluid Dynamics Laboratory
November 2012	Invited Talk, NCAR Seminar Series
March 2012	Invited Talk, 2012 Department of Energy Atmospheric Systems Research Science Team Meeting

Honors and Awards:

January 2021	<u>DOE ASR Profile</u>
October 2020	<u>UAlbany Research Highlight</u>
September 2020	Tenure Award
March 2020	Seminar Speaker of Spring 2020, Univ. of Illinois
December 2019	University at Albany Discretionary Salary Award
August 2014	Invited Talk, Saturday Schoolyard Seminar Series, Barrow Arctic Science Consortium, Barrow, Alaska
March 2014	Invited Talk, 2014 Department of Energy Atmospheric Systems Research Science Team Meeting
February 2014	Invited Talk, Atmospheric Science Research Center, The University at Albany
November 2013	Invited Talk, 2013 Department of Energy Atmospheric Systems Research Fall Working Group Meeting
Sept 2010 - Aug 2013	Department of Energy Office of Science Graduate Fellowship
February 2013	Invited Talk, NOAA Geophysical Fluid Dynamics Laboratory
January 2013	Penn State Alumni Association Dissertation Award
November 2012	Invited Talk, NCAR Seminar Series
March 2012	Invited Talk, 2012 Department of Energy Atmospheric Systems Research Science Team Meeting
March 2011	Department of Energy Atmospheric Systems Research Student Poster Award
December 2010	American Geophysical Union Outstanding Student Paper Award
Undergraduate Award	Micasu Scholarship
Undergraduate Award	Hans A. Panofsky Scholarship
Undergraduate Award	Matthew J. Wilson Honors Scholarship

Undergraduate Award John and Elizabeth Holmes Teas Scholarship