

CURRICULUM VITA

January 2024

MICHAEL J. ALLEN, PHD

Assistant Professor of Geography, Department of Geography and Environmental Planning
Towson University, Towson, MD

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RESEARCH INTERESTS

Human bioclimate, climate variability & change, applied climate, hazards, geographic education

PROFESSIONAL APPOINTMENTS

Towson University, Assistant Professor, Department of Geography and Environmental Planning **2022 -**

U.S. Fulbright Scholar, Faculty of Sciences, University of Novi Sad, Serbia **2023**

Project: Cross-cultural understanding of climate: Evaluating heat-related morbidity in Novi Sad, Serbia

Old Dominion University **2014 – 2022**

Associate Professor, **2020 – 2022**

Geography Program Director, **2019 – 2021**

Assistant Professor, Department of Political Science & Geography **2014 – 2020**

Virginia Geographic Alliance, Co-Coordinator **2021 – 2022**

International Journal of Biometeorology, Field Editor, Climate and Health **2017 – 2024**

Kent State University

Research Assistant, Department of Geography **2008 – 2014**

Teaching Assistant (Instructor), Department of Geography **2009 – 2013**

Westmoreland County Community College

Instructor, Public Service/Humanities/Social Science **2012 – 2014**

EDUCATION

Ph.D., Geography (Climatology; Public Health Cognate), Kent State University **2014**

Dissertation: *An evaluation of seasonality through four delineation methods: A comparison of mortality responses and the relationship with anomalous temperature events*

M.A., Geography (Climatology), Kent State University **2010**

Thesis: *The impact of winter weather on human health: A regional approach to understanding vulnerability in the United States*

B.S., Earth Science- Meteorology; Math Minor, California University of Pennsylvania **2008**

Towson University

- *Physical Geography* (GEOG 101) 3x
- *Meteorology* (GEOG 377/517) 2x
- *Climate Change: Science to Policy* (GEOG 419/654)
- *Studies of Natural Hazards* (GEOG 411/557)
- *Climatology* (GEOG 373/515)
- *Geography of Maryland* (GEOG 423)

Old Dominion University

- *Environmental Geography* (GEOG 101S) 16x
- *World Resources* (GEOG 305)
- *Field Course Peru: From the Andes Mountains to the Amazon Rainforest* (GEOG 495)
- *Field Course Iceland: Land of Fire and Ice* (GEOG 496)
- *Lifespan Communication, Geography, and Wellness* (GEOG 496 and COMM 4/595)
- *Geography of Virginia* (GEOG 458)
- *Hazards: Natural and Technological* (GEOG 306T) 17x (3 summer sections)
- *Medical Geography* (GEOG 4/560) 2x (undergraduate and graduate level)
- *Seminar in Advanced Environmental Geography* (GEOG 400W)
- *Weather, Climate, and Society* (GEOG 400W; GEOG 4/525) 3x
- *Independent Study* (GEOG 495; GEOG 597) 4x
 - Robin Dunbar: *Visualize Marine Pollution in the Elizabeth River with 2nd Graders* (2021)
 - Irv Harrell: *Evaluation of Emergency Room Care in southeast Virginia* (Fall 2017)
 - Angel Kidd: *Under- and uninsured of Hampton Roads* (Fall 2016)
 - Stephen Grassia: *Geographic aspects of obesity in Virginia* (Summer 2016)
 - Debra Gauthier: *Evaluation of the center of catch biomass for scup, summer flounder, and black seabass in the near shore waters of the Mid-Atlantic Bight, USA, 2007 to 2014* (Fall 2014)

Kent State University

- *Physical Geography Laboratory* (GEOG 21063) 6x (2 online)
- *Principles of Climatology* (GEOG 31064)
- *Physical Geography* (GEOG 21062) 4x
- Teaching Assistant: *Conservation of Natural Resources* (GEOG 41073), *Geography of Wine* (GEOG 31080), *Wine and Food Pairing* (GEOG 40292), *Wines of Northeast Ohio* (GEOG 40293)

Westmoreland County Community College

- *Physical Geography & the Global Environment* 4x (online)

California University of Pennsylvania

- Teaching Assistant: *Introduction to Meteorology, Synoptic Meteorology, Advanced Synoptic Meteorology, Geography of U.S. and Pennsylvania*

STUDENT MENTORING

- [Allison Brown](#), Faculty Advisor, Towson University Environmental Science Master's Program, Anticipated graduation: May 2025
- [Robin Dunbar](#), Committee Member, Institute for the Humanities, Old Dominion University. *Riverology: Science and Storytelling Connect Youth to a River Challenged with Sea Level Rise and Marine Debris*. 2021 Graduate.
- [Christina Bagaglio Slentz](#), Committee Member, Graduate Program in International Studies, Old Dominion University. Thesis: *Environmentally Related Urbanization and Violence Potential*. 2021 Graduate
- [Adriaan van der Walt](#), International External Examiner, School of Geography, Archaeology, and Environmental Studies, Wits University, South Africa. Thesis: *An analysis of extreme temperature events in South Africa: 1960 - 2015*. 2021 Graduate
- [Ian Birdwell](#), Committee Member, Graduate Program in International Studies, Old Dominion University. Thesis: *Hyperborean Habits and Melting Ice: The Normalization of Arctic Space and Resurgent National Identity*. May 2019 Graduate
- [William Bushway](#), Committee Member, Institute for the Humanities, Old Dominion University. *When a craft beer tasting room is more than just a craft beer tasting room*. May 2019 Graduate.
- [Irvin Harrell](#), Advisor and Chairperson, Institute for the Humanities, Old Dominion University. Thesis: *Evaluation of emergency room care for marginalized populations*. May 2018 Graduate

FUNDED GRANTS (year, title, role, funder, PI, total funds)

2024	The Chesapeake Bay Climate Institute: Enhancing Climate Literacy <u>Principal investigator</u> Virginia Geographic Alliance \$32,000
2023	The Chesapeake Bay Climate Institute: Enhancing Climate Literacy <u>Principal investigator</u> Virginia Geographic Alliance \$20,000
2023	Cross-cultural understanding of climate: Evaluating heat-related morbidity in Novi Sad, Serbia <u>Awardee</u> U.S. Fulbright Scholars Program
2022	Examining the role of neighborhood characteristics on geographic variation in colorectal cancer: A combination of spatial analysis, hierarchical modeling, and machine learning approaches <u>Co-PI</u> (PI: Hadiza Galadima, ODU) Old Dominion University School of Community and Environmental Health (\$15,455
2020	FAIR Network of micrometeorological measurements <u>Secondary proposer</u> European Cooperation in Science and Technology (COST) (PI Branislava Lalic, University of Novi Sad, Serbia) ~\$500,000

- 2020 Mapping Seasonal Variations of the Urban Heat Island: Norfolk, VA, USA Principal investigator **Virginia Department of Forestry and U.S. Forest Service** \$8,900
- 2020 The Chesapeake Bay Educational Institute: Enhancing Climate Literacy Through Place-Based Inquiry Principal investigator **Virginia Geographic Alliance** \$11,000
- 2019 Computational Framework for Assessing Absorptive Capacity Co-investigator (PI Jose Padilla, VMASC) **Minerva Research Institute** \$1,459,042
- 2019 *The Chesapeake Bay: An Interconnected System. Today, Tomorrow, and Into the Future* Principal Investigator (Co-PI: Jamie Young) **Virginia Geographic Alliance** \$10,000
- 2017 *Powerless and Vulnerable: Assessing the capacity of elderly healthcare services following Hurricane Irma* Co-Investigator (PI: Nicole Hutton) **Natural Hazards Center Quick Response** \$2,853.69
- 2017 *Extreme Precipitation Events and Recurrent Flooding: Impact and Climatological Assessment for Virginia* Principal Investigator **Commonwealth Center for Recurrent Flooding Resiliency (CCRFR)** \$6,978
- 2016 *ODU Storm Ready Emergency Preparedness Service-Learning Mini-Grant* Principal Investigator **ODU Office of Leadership and Student Involvement** \$700
- 2016 *Virginia Geographers: Educational Career Resource* Principal Investigator **Virginia Geographic Alliance (National Geographic Society)** \$1,000
- 2016 *Enhancing the Teaching and Learning of Biometeorology in Higher Education* Co-Investigator (PI: Jennifer Vanos, Texas Tech University) **Tromp Foundation, International Society of Biometeorology** \$15,000
- 2015 *Building Conservation Leaders of the Future: Curriculum, Certificates, Internships, and Research Agenda* Co-Investigator (PI: Hans-Peter Plag) **ODU and U.S. Fish and Wildlife Services National Conservation Training Center** \$181,567
- 2013 – 2014 *Development of a water clarity index for the Southeast U.S. as a climate indicator* Research Assistant (PI: Scott Sheridan) **NASA** \$196,104
- 2009 – 2013 *Climate variability/change and the risks for a spectrum of diseases* Research Assistant (PI: S. Lin and Scott Sheridan) **Center for Disease Control and Prevention** \$150,000
- 2008 – 2011 *A Spatial Synoptic Classification approach to projected heat vulnerability in California under future climate change scenarios* Research Assistant (PIs: Larry Kalkstein and Scott Sheridan) **California Air Resources Board** \$191,553

2008 – 2010 *Climatological, Epidemiological, and Public Health justification of a heat wave health warning system for Moldova* Research Assistant (PIs: Roman Corobov, Kris Ebi, and Scott Sheridan) U.S. Civilian Research & Development Foundation \$49,000

PUBLICATIONS

Peer-Reviewed

Colucci, A. R., Vecellio, D. J., & **Allen, M. J.** (2023). [Critical physical geographies of air, atmosphere, and climate](#). Progress in Environmental Geography, 27539687231204639.

Allen, M. J., Whytlaw, J., Hutton, N., Hoffman, J. (2023) [Heat-Mitigation in the Southeast United States: Are Cooling Centers Equitable and Strategic](#), Southeastern Geographer, 63 (4): 366-385, 10.1353/sgo.2023.a912266

Allen, M. J. (2023). The North American Honeybee book chapter in Drake, D.M., ed. Economic Geographies of US Livestock: Taking Stock and Mapping it. London: Palgrave-Macmillan

Allen, M. J., Hoffman, J., Whytlaw, J., Hutton, N. (2022) [Assessing Virginia Cooling Centers as a Heat Mitigation Strategy](#). Journal of Emergency Management, 20 (3), 205 – 224.

Allen, M. J., D. J. Vecellio (2022) [Extreme Heat and Cold](#). In Routledge of Environmental Hazards and Society. McGee, T.K., & Penning-Rowsell, E.C. (Eds.). Routledge. <https://doi.org/10.4324/9780367854584>

Blando, J., **Allen, M.J.**, Galadima, H., Tolson, T., Akpınar-Elci, M., Szklo-Coze, M. (2022) [Observations of Delayed Changes in Respiratory Function among Allergy Clinic Patients Exposed to Wildfire Smoke](#) International Journal of Environmental Research Public Health ,19(3), 1241; <https://doi.org/10.3390/ijerph19031241>

Colucci, A. R., Vecellio, D. J., & **Allen, M. J.** (2021). [Thermal \(In\) equity and incarceration: A necessary nexus for geographers](#). Environment and Planning E: Nature and Space, 25148486211063488.

Allen, M. J., Allen, T. R., Davis, C., & McLeod, G. 2021. [Exploring Spatial Patterns of Virginia Tornadoes Using Kernel Density and Space-Time Cube Analysis \(1960–2019\)](#). ISPRS International Journal of Geo-Information, 10(5), 310.

Sheridan, S.C, P. G. Dixon, A. J. Kalkstein, **M. J. Allen** 2021 [Recent trends in heat-related mortality in the United States: an update through 2018](#) *Weather, Climate, and Society*. 1-36, <https://doi.org/10.1175/WCAS-D-20-0083.1>

Hutton, N. S., & **Allen, M. J.** (2021). [Flood Hazard Awareness at Old Dominion University: Assessment and Opportunity](#). *Journal of Contemporary Water Research & Education*, 172(1), 19-33.

Cerney, D., C. Whitesides, **M. Allen**, B. Montz, J. Burrell 2020 [A Disciplinary Perspective: Applied Geography and Gender Concerns](#). Papers in Applied Geography
DOI: 10.1080/23754931.2020.1858942

Hutton, N., **M. J. Allen** 2020 [Challenges Upgrading Emergency Power in Florida Nursing Homes following Hurricane Irma](#). *Weather, Climate, and Society*. 12, 4 DOI: 10.1175/WCAS-D-19-0064.1

Kekeh, M., M. Akpınar-Elci, **M. J. Allen** 2020 [Sea Level Rise and Coastal Communities](#). Extreme Weather Events and Human Health, Springer, (p. 171- 184)

Allen, M. J., T. R. Allen 2019 [Precipitation Statistics and Changes across Virginia \(1947 – 2016\)](#). *Virginia Journal of Science*, 70, 1. DOI: 10.25778/3cay-z849

- Sheridan, S.C., C. C. Lee, **M. J. Allen** 2019 [The Mortality Responses to Absolute and Relative Temperature Extremes](#). *International Journal of Environmental Research and Public Health*, 16, 9, 1493.
- Hoffman, J. S., **M. J. Allen**, C. F. Labosier, 2019 [Detecting Change: Observations of Temperature and Precipitation Across Virginia's Climate Divisions](#). *Virginia Journal of Science*, 70, 1. DOI: 10.25778/eq3r-pv57
- Vecellio, D. J., **M. J. Allen**, 2019. [Trends in biometeorology publishing: a case study of climate and Human Health Commission members](#). *International Journal of Biometeorology*, 1-5.
- Allen, M. J.** 2018. [A temporal analysis of seasonal start dates across 25 urban environments in the eastern United States](#). *Physical Geography*, 1-13. DOI: 10.1080/02723646.2018.1441215.
- Sheridan, S. C., **M. J. Allen** 2018. [Temporal trends in human vulnerability to excessive heat](#). *Environmental Research Letters*, 13 (4), 043001. DOI: 10.1088/1748-9326/aab214.
- Ballinger, T. J., R. R. Rohli, **M. J. Allen**, D. A. Robinson, T. W. Estilow, 2018. [Half-century perspectives on North American spring snowline and snow cover associations with the Pacific-North American teleconnection pattern](#). *Climate Research*, 74 (3), 201-216.
- Allen, M.J.**, J. Vanos, D. M. Hondula, D. J. Vecellio, D. Knight, H. Mehdipoor, R. Lucas, C. Fuhrmann, H. Lokys, A. Lees, S. T. Nascimento, 2017: [Supporting sustainability initiatives through biometeorology education and training](#). *International Journal of Biometeorology*, 61(1), pp.93-106.
- Sheridan, S.C., **M. J. Allen**, 2017: [Sixty years of the International Journal of Biometeorology](#). *International Journal of Biometeorology*. DOI: DOI 10.1007/s00484-017-1366-5
- Perkins IV, D. R., J. Vanos, C. Fuhrmann, **M. Allen**, D. Knight, C. C. Lee, A. Lees A. Leung, R. Lucas, H. Mehdipoor, S. Tavares Nascimento, S. Sheridan, J. Spencer, 2017: [Enhancing the Teaching and Learning of Biometeorology in Higher Education](#). *Bulletin of the American Meteorological Society*. 10.1175/BAMS-D-16-0343.1
- Allen, M. J.**, S.C. Sheridan, 2016b: [Spatio-temporal changes in heat waves and cold spells: An analysis of 55 U.S. cities](#). *Physical Geography*, DOI: 10.1080/02723646.2016.1184078
- Dixon, P.G., **M. J. Allen**, S. N. Gosling, D. M. Hondula, V. Ingole, R. Lucas, J. Vanos, 2016: [Perspectives on Synoptic Climate Classification and its Role in Interdisciplinary Research](#). *Geography Compass*, 10/4: 147–164, 10.1111/gec3.12264
- Allen, M. J.**, M. Akpinar-Elci, 2016: [Changing discourses in climate health: An anti-disciplinary perspective](#). *Ecohealth*, 13, 4-5. DOI: 10.1007/s10393-015-1083-7.
- Allen, M. J.**, S.C. Sheridan, 2015: [Evaluating Changes in Season Length, Onset, and End Dates across the United States \(1948 – 2012\)](#). *International Journal of Climatology*, 36, 1268-1277. DOI: 10.1002/joc.4422.
- Allen, M. J.**, S. C. Sheridan, 2015: [Mortality risks during extreme temperature events \(ETEs\) using a distributed lag non-linear model](#). *International Journal of Biometeorology*, DOI: 10.1007/s00484-015-1117-4.
- Sheridan, S.C., **M.J. Allen**, 2015: [Changes in the Frequency and Intensity of Extreme Temperature Events and Human Health Concerns](#). *Current Climate Change Reports*, 1, 155-162, DOI: 10.1007/s40641-015-0017-3.
- Ballinger, T. J., **M. J. Allen**, R. V. Rohli, 2014: [Spatiotemporal analysis of the January Northern Hemisphere circumpolar vortex over the contiguous United States](#). *Geophysical Research Letters*, 41, 3602-3608, DOI: 10.1002/2014GL060285.
- Allen, M.J.**, C.C. Lee, 2014: [Investigating High-Mortality during the Winter Season: Mapping Patterns of Temperature and Pressure](#). *Theoretical and Applied Climatology*, 118, 419 – 428.

- Allen, M. J.**, S. C. Sheridan, 2014: [High- mortality days during the winter season: comparing meteorological conditions across five U.S. cities](#). *International Journal of Biometeorology*, 58, 217-225.
- Sheridan, S.C., **M.J. Allen**, C.C. Lee, L.S. Kalkstein, 2012: [Future heat vulnerability in California Part II: Projecting future heat-related mortality](#). *Climatic Change*, 115, 311-326.
- Sheridan, S.C., C.C. Lee, **M.J. Allen**, L.S. Kalkstein, 2012: [Future heat vulnerability in California Part I: Projecting future weather types and heat events](#). *Climatic Change*, 115, 291-309.
- Hajat, S., S. Sheridan, **M. Allen**, M. Pascal, K. Laaidi, A. Yagouti, U. Bickis, A. Tobias, D. Bourque, B.G. Armstrong, T. Kosatsky, 2010: [Which days of hot weather are identified as dangerous by Heat-Health Warning Systems? A comparison of the predictive capacity of different approaches](#). *American Journal of Public Health*, 100, 1137-1144

Non-Peer Reviewed Publications

- Allen, M. J.** 2020. [Record heat shows urgency of our climate adaptation](#). The Virginian Pilot: August 2, 2020
- Allen, M. J.** 2020. The Climate-Health Nexus. Story modelers at Virginia Modeling and Simulation Center. <https://www.storymodelers.org/post/the-climate-health-nexus>
- Allen, M. J.**, Hoffman, J. S., 2019. Virginia Climate Overview. Generated for Ann Phillips, Special Assistant to Governor for Coastal Adaptation and Protection, Incorporated into Virginia Coastal Protection Master Plan Commonwealth of Virginia. <https://www.governor.virginia.gov/media/governorviriniagov/governor-of-virginia/pdf/Virginia-Coastal-Resilience-Master-Planning-Framework-October-2020.pdf>
- Hutton, N., **M. Allen**, 2019. Powering Through: Florida Shows the Pitfalls of Fast-Tracking Emergency Power Legislation. Natural Hazards Center Research Counts. <https://hazards.colorado.edu/news/research-counts/powering-through-florida-shows-the-pitfalls-of-fast-tracking-emergency-power-legislation>
- Allen, M. J.**, 2018: [We can't afford to wait on climate change](#). Guest Columnist, The Virginian Pilot: October 13, 2018.
- Hutton, N., **M. Allen**, 2018. Powerless and Vulnerable: Assessing the Capacity of Elderly Healthcare Services following Hurricane Irma. Natural Hazards Center Quick Response Report. <https://hazards.colorado.edu/quick-response-report/powerless-and-vulnerable-assessing-the-capacity-of-elderly-healthcare-services-following-hurricane-irma>
- Allen, M. J.**, 2018: [New data show extend of climate changes](#). Guest Columnist, The Virginian Pilot: January 20, 2018.
- Allen, M. J.**, 2017: [Congressman should lead on climate change](#). The Virginian Pilot: February 26, 2017.
- Allen, M. J.**, 2017: [Global warming records challenges our politics](#). Guest Columnist The Virginian Pilot: January 19, 2017.
- Allen, M. J.**, 2016: [What if Hurricane Matthew is the new normal?](#) Guest Columnist, The Virginian Pilot: October 11, 2016.
- Allen, M. J.**, 2016: [Book Review: Climate Change Mitigation, Technological Innovation, and Adaptation: A New Perspective on Climate Policy](#) by Valentina Bosetti, Carlo Carraro, Emanuele Massetti, and Massimo Tavoni. *International Social Science Review*: 92, 1, 9.
- Allen, M. J.**, 2016. [Living With Water](#) (Future Cities Chapter), in S. D. Brunn, M. Hays-Mitchell, D. Zeigler (eds): *Cities of the World: World Regional Urban Development*, 6th Edition. p. 549 – 550.

- Allen, M. J.**, 2016: [Climate change is the reason we need for resiliency](#). Saturday Guest Columnist, The Virginian Pilot: August 20, 2016.
- Allen, M. J.**, 2015: [Letter: We must be serious about climate change](#). The Virginian Pilot: November 9, 2015.
- Allen, M. J.**, 2014: An Evaluation of Seasonality through Four Delineation Methods: A Comparison of Mortality Responses and the Relationship with Anomalous Temperature Events. Dissertation, Kent State University, Kent, OH 417pp.
- Sheridan, S.C., C.C. Lee, **M.J. Allen**, L.S. Kalkstein, 2011: A spatial synoptic classification approach to projected heat vulnerability in California under future climate change scenarios. Final Report to California Air Resources Board: Agreement number 07-304. 153p. I
- Allen, M. J.**, S. C. Sheridan, 2011: High- mortality days during the winter season: comparing meteorological conditions across five U.S. cities. Proceedings of the 19th International Congress of Biometeorology. Auckland, New Zealand 4-8 December 2011.
- Allen, M. J.**, 2010: Assessing the Influence of Weather in 5 U.S. Cities during Wintertime High-Mortality Days. Master's Thesis, Kent State University, Kent, OH 118pp.

Other Publications, Interviews, and Media Outreach

- Milevski, L. and Boteler, C. [Comic: El Nino, what is it and what to expect in Maryland](#). The Baltimore Banner, July 5, 2023
- University of Szeged, Hungary. [SZTE - Környezeti veszélyek konferencia](#). Novum TV, May 4, 2023
- Tooten, Tim [Towson University students learn about the effects of Tropical Storm Ian in meteorology class](#). WBAL, September 29, 2022
- Vogelsong, Sarah [Yes, Virginia, we are seeing more- and more intense – rainfall](#). Virginia Mercury August 20, 2021
- Myler, Aaron [Can your body predict the weather?](#) WTRF March 11, 2021
- Vogelsong, Sarah [With new roadmap to combat rising seas, Virginia officially acknowledges the threat of climate change](#), Virginia Mercury October 22, 2020.
- McKay, Jim [Has the coronavirus reduced heat-related deaths in the U.S.?](#) Emergency Management, Preparedness August 7, 2020.
- Danson, Kristyn [Heat, Health, and Exercise](#). Old Dominion University Alumni Association. August 5, 2020.
- Wood, Anthony [In an all-time hot July, not a single heat death is reported in Philly, continuing a trend](#). The Philadelphia Inquirer, August 2, 2020.
- Balouris, Marielena [ODU Professor warns of dangers of excessive heat](#). WAVY, July 21, 2020.
- Turken, Sam [Researchers Present Bleak Future in Hampton Roads if Global Warming continues at current rate](#). WHRO, July 17, 2020.
- DiBari, Sherry [Using Geography in the Fight Against the Pandemic](#). News @ ODU, March 27, 2020
- Pipkin, Whitney [Yes, Virginia, it has been raining more](#). Bay Journal December 18, 2019
- Boyer, John [Tornadoes, snow and the derecho: Here are Virginia's defining weather events of the decade](#). Richmond Times-Dispatch, December 31, 2019.
- Institute for Childhood Preparedness. [The Best Ways to Keep Kids Safe on Hot Playgrounds](#). September 18, 2019
- Law, Tara [The hottest July, how climate change is breaking temperature records in 2019](#). TIME Magazine. August 15, 2019
- Coutu, Peter [Carbon emissions could cause Virginia Beach to feel like southern Alabama in 2080, study finds](#). The Virginian Pilot, February 13, 2019

Coutu, Peter [2018 finishes as 4th hottest year in Norfolk since 1873, continuing a blistering decade](#). The Virginian Pilot, January 4, 2019

Mebane, Liz. [Question Your World: Is Richmond Getting Warmer?](#) Science Museum of Virginia, March 15, 2018.

NPR Podcast *Smart Pill* Interview hosted by WHRV-Emerging Leaders Board. [Sea Level Rise: Why You Should Care and What You Can Do](#), February 28, 2018.

Personal Interview Delmarva Public Radio, A public service of Salisbury University and NPR affiliate. [Delmarva Today: Writers Edition #56. Methods to ameliorate the impact of climate change](#), February 23, 2018.

Personal Interview Delmarva Public Radio, A public service of Salisbury University and NPR affiliate. [Delmarva Today: Writers Edition #52. Climate Change](#), October 27, 2017

[Wait, Wait...Don't tell me! There's Sea Level Rise](#) presented by WHRO Emerging Leaders Board. April 2, 2017 at Brock Environmental Center

Leonardo DiCaprio's [Before the Flood](#) public showing. Coordinator and Panelist: **Drs. Michael Allen** and Carol Considine. January 30, 2017. ODU Learning Commons Room 1310.

Kimberlin, Joanne, 2016: [It's hotter than Hades in Hampton Roads](#). The Virginian Pilot: August 18, 2016.

Katz, Cheryl, 2016: [Summer in March? Warming Climate alters Europe's Seasons](#). National Geographic: April 4, 2016 (National Geographic highlighting research)

PRESENTATIONS [Invited or Guest Presentations \(title, event, location, contact\)](#)

2023

- [Climate Resilience in Virginia \(And beyond\)](#). Virginia Climate Center, George Mason University, Dr. Dan Vecellio
- [The Chesapeake Bay Climate Institute: Enhancing K-16 Climate Literacy in the Chesapeake Bay](#). XII Race, Ethnicity, and Place Conference, Washington, D.C.
- [2023 U.S. Fulbright Scholars Program](#)
 - [Heatwaves in a changing climate: A U.S. Perspective](#). Natural Hazards and Climate Change Conference, University of Szeged, Hungary, Dr. György Sipos
 - [Geography and Climate of the Chesapeake Bay](#). Sremski Karlovci Gymnasium (High School), Sremski Karlovci, Serbia, Dr. Rastislav Stojsavljević
 - [Bridging Disciplines through Medical Geography](#). Medical Geography, University of Novi Sad, Serbia, Dr. Jelena Dunjić
 - [Climate- Health Connection: 2023 Fulbright](#). Climatology with Principles of Meteorology, University of Novi Sad, Serbia, Dr. Dragan Milošević
 - [The Geography of The Chesapeake Bay: America's Estuary](#). Regional Geography, University of Novi Sad, Serbia, Dr. Rastislav Stojsavljević
 - [Quantitative Methods in Climate Research](#). Quantitative Methods, University of Novi Sad, Serbia, Drs. Stevan Savić and Daniela Arsenovic
 - [Perspectives and Pathways in Bioclimatology](#). Dr. Branislav Bukurov Organization, University of Novi Sad, Serbia, Milica Vasic

- ***Bridging the Disciplines: Climate, Health, and Geography.*** Lunchtime Talk: Shine bright with Fulbright, Colleagues to Colleagues, ExtremeClimTwin Project, University of Novi Sad, Serbia
- ***Biology, Climate Change, and Human Health.*** Environmental Science, Department of Biology and Ecology, University of Novi Sad, Serbia, Dr. Dubravka Milic

2022

- ***Climate, Water, and Resilience.*** TSEM, Towson University, Guest Lecture for Dr Victoria L. McAlister
- ***Democracy Imperiled? Why Your Vote Matters.*** Panelist, College of Liberal Arts Fall Roundtable, Towson University, Chris Chulos
- ***Hot in Baltimore: Mitigating heat-health risks in a changing climate.*** Air and Waste Management Association, Towson University, James Blando
- ***Building Local Climate Resilience*** Norfolk Botanical Garden, Virginia Beach Public Schools Environmental Studies Program, Alexandra Cantwell
- ***Climate Resilience in 2022: A Norfolk, Virginia Perspective*** Department of Geography Spring Colloquium. Kent State University, He Yin

2021

- ***Community Participation in Mapping the Urban Heat Island in Norfolk, VA*** 76th Annual Meeting of the Southeastern Division of the American Association of Geographers. Florence, Alabama
- ***Intersecting Climate Resilience: The Case of Southeast Virginia, USA.*** 1st virtual and 22nd International Congress of Biometeorology.
- ***Heat Hazards for Emergency Managers.*** Virginia Department of Emergency Management, Curtis Brown
- ***757's Wicked Problem.*** Environmental Sustainability Program Series. Williamsburg Regional Library, Emma Zahren-Newman
- ***Climate Change: 757's Wicked Problem.*** Norfolk Botanical Garden. Adult Education Class, Norfolk, VA Alexandra Cantwell
- ***Norfolk Heat Assessment.*** Wards Corner Civic League. Norfolk, VA
- ***Dimensions of Climate Change and Health.*** Suffolk Public Library. Chesapeake Requiem '21, Suffolk, VA Dr. Matthew Thompson (rescheduled online from 2020)

2020

- ***Climate Science 2020.*** National Network for Ocean and Climate Change Interpretation, Virginia Aquarium and Marine Science Center. Virginia Beach, VA Hales Miller
- ***Urban Geographers Respond to COVID-19*** (Panel Discussion). Association of American Geographers Annual Meeting (Online Session) Dr. Hannah Torrez and Mr. Richard Quodomine
- ***Climate Science 2020. National Perspectives: Global Interactions.*** Leaping to Solutions Climate Change Symposium. Norfolk Botanical Garden, Norfolk, VA Michael Desplaines
- ***Blue Lines and Hot Spots: Science and Community Climate Awareness for Sea Level Rise and Extreme Heat.*** Night of Philosophy and Ideas. Slover Library, Norfolk, VA Dr. Peter Schulman

2019

- **Community Science Mapping UHI (and More).** 3rd International Workshop for Students and New Professionals: Investigating knowledge gaps and technology opportunities for sensing the health effect of weather and climate change. Enschede, Netherlands
- **Climate Science- Physics to Local Impacts.** Climate on Your Beat: Telling Local Climate Stories in Virginia, Climate Matters in the Newsroom, Science Museum of Virginia. Richmond, VA Susan Hassol and Sean Sublette
- **Between Two Ferns: Lessons from the Concrete Jungle.** Southeast Virginia Urban Forest Roundtable, Virginia Department of Forestry. Chesapeake, VA Lara Johnson
- **Climate Change and the Urban Landscape.** Resilience and Change in Modern Urban Landscapes 2019 APHG Teacher Institute. Newport News, VA Virginia Geographic Alliance
- **Climate Change and Coastal Resilience.** Rock the Brock IV: 9th Annual Clean Water Captains Retreat, Chesapeake Bay Foundation. Virginia Beach, VA Tanner Council
- **Building Resilience to Heatwaves in a Changing Climate.** Science Pubs, WHRO-NPR. Hampton, VA Amy Matzke-Fawcett
- **Making Climate Change a Dining Table Discourse.** Western Missouri State University Colloquium. St. Joseph, MO Dr. Dawn Drake
- **Medical Geography: Mapping in Health.** Western Missouri State University Guest Lecture GIS. St. Joseph, MO Dr. Dawn Drake
- **The Environment and Human Rights.** Western Missouri State University Guest Lecture Honors Ethics. St. Joseph, MO Dr. Dawn Drake
- **America's Estuary: The Chesapeake Bay.** Western Missouri State University Guest Lecture Ecology. St. Joseph, MO Dr. Dawn Drake
- **Virginia Precipitation Trends.** American Geographers of Association Annual Meeting Washington, D.C.

2018

- **The Science and Climate Change: Local Impacts for Virginia.** Norfolk Botanical Garden. Shifting Landscapes: Tradition and Trends. Norfolk, VA Michael Desplaines
- **The Landscape of Climate Change Resilience.** 41st Applied Geography Conference. Kent, OH.
- **Food and Climate.** Institute for Learning in Retirement. Virginia Beach, VA Jane Martin
- **Contextualizing Food Stuffs in an Age of Climate Extremes.** 2018 Teacher Institute: Climate Change and Shifting Agricultural Patterns. Richmond, VA. Virginia Geographic Alliance
- **Tomorrow is Autumn. Or it is? Implications of Seasonal Climate Change.** Department of Geography, Environment, and Sustainability Colloquium Series. University of North Carolina – Greensboro, NC. Dr. Corey Johnson
- **Evaluation of Virginia Precipitation Trends.** American Geographers of Association Annual Meeting New Orleans, LA.
- **Climate Science in an Age of Alternative Facts.** Guest Lecture PHIL 322E: Environmental Ethics. Norfolk, VA. Dr. Chad Weiner
- **Thinking Beyond the Polar Vortex: Implications of Seasonal Climate Change.** Atmospheric and Planetary Sciences Seminar Series, Hampton University. Dr. William Moore.

2017

- ***Dueling Disasters: Hurricanes Harvey, Irma, and Maria.*** Geography Awareness Week Panel Discussion featuring Drs. Nicole Hutton, Glen Sussman, Tom Allen, and Michael Allen. Norfolk, VA
- ***Impact of Climate Change on Hampton Roads.*** Rotary Club of Norfolk, Pamela Tubbs
- ***Implications of seasonal climate change and relationships to human health.*** Science Museum of Virginia: Lunch Break Science. Richmond, VA Dr. Jeremy Hoffman
- ***The Science behind Climate and Weather: Virginia as a case study.*** Green Run High School iLab. Virginia Beach, VA Desiree Cooper
- ***Today and Tomorrow: Human Health Implications for Weather and Climate.*** Institute for Learning in Retirement. Virginia Beach, VA Jane Martin
- ***Recent changes to seasonality and why it matters.*** Center for Coastal Physical Oceanography Seminar Series, Old Dominion University, Norfolk, VA Dr. Eileen Hoffman
- ***Modified risk associated with heat and cold events (1975 – 2004).*** 21st International Congress of Biometeorology, Durham, UK
- ***Geography of the Atlantic.*** 2017 Stratford Hall Summer Institute for Teachers: Historic and Geographic perspectives: Slavery in Virginia (1607 – 1758). Stratford, VA Mr. Jon Bachman
- ***The Modified Risk of Heat Waves: Comparing Duration and Seasonality (1975 – 2004).*** American Geographers of Association Annual Meeting Boston, MA
- ***The Environment and Human Rights.*** WMST 395: Human Rights and World Literature Norfolk, VA Dr. Lee Slater (2x)

2016

- ***Evaluating Diurnal Aspects of Seasonal Climate Change.*** Southeastern Division of the American Geographers of Association Annual Conference. Columbia, SC
- ***The Voiceless Consequences of Climate Change.*** VII Race, Ethnicity, and Place Conference. Kent, OH
- ***The Science of Climate Change.*** Williamsburg Presbyterian Church. Williamsburg, VA Dorothy Geyer
- ***Environmental Perspectives of Tidewater.*** 2016 Stratford Hall Summer Institute for Teachers: An Environmental History: The Virginia Tidewater (1300 – 1700). Stratford, VA Mr. Jon Bachman
- ***Heat Waves to Hurricanes: A Conversation about Weather, Climate, and Health.*** Science Pubs, Virginia Sea Grant. Portsmouth, VA Dr. Michelle Covi
- ***Circulation Changes to Seasonality.*** 112th Annual Meeting of the American Geographers of Association. San Francisco, CA
- ***Antidisciplinary Perspectives of Climate-Health Research.*** ODU Institute of Humanities 2016 Junior Faculty Forum. Norfolk, VA Dr. Avi Santo
- ***Climate Change in Virginia: Observation and Communication.*** Virginia Institute of Marine Science (VIMS). Gloucester Point, VA Dr. Michelle Covi

2015

- ***Spatial and Temporal Variability of Temperature Impacts.*** International Workshop for the Implementation of Biometeorological and Bioclimatic forecasts in Latin American and the Caribbean. Havana, Cuba
- ***Virginia Extremes: Assessing the Weather & Climate Scenario.*** Workshop: Mitigation and Adaptation Research in Virginia. Suffolk, VA Dr. Hans-Peter Plag

- *Hampton Roads: A Geographic Overview of History, Relevance, and Relationship with Water.* Hampton Roads Planning District Commission: Dutch Dialogues. Norfolk, VA Peggy Haile-McPhillips
- *Heat and Cold Events in a Changing Climate.* University of Virginia Department of Environmental Sciences Atmospheric Group Colloquium. Charlottesville, VA Dr. Robert Davis
- *Climate Research Beyond the Halls of Eberly.* Southwest Pennsylvania Chapter of the AMS (Colloquium Series). California, PA Dr. Chad Kauffman
- *Climate 101.* Turning the Tide: Climate Change Workshop (Environmental Justice Issue Team of Virginia Organizing) Norfolk, VA Dr. Michelle Covi
- *Seasonal Changes in the United States (1948 – 2012).* 95th Annual Meeting of the American Meteorological Society. Phoenix, AZ

2014

- *Variability in Heat Events (1948 – 2012): Duration, Frequency, and Seasonal Timing.* 2014 Annual Meeting of the Southeastern Division of the Association of American Geographers. Athens, GA
- *Assessing Risk to Heat Waves and Cold Spells using a Distributed Lag Non-Linear Model.* 20th International Congress of Biometeorology. Cleveland, OH
- *Academic Rigor: Grading and Evaluating Students.* International Society of Biometeorology: Student and New Professional Day. Kent, OH
- *Distributed Lag Non-Linear Models.* International Students and New Professionals Workshop on Biometeorology and Applied Synoptic Climatology. Vindeln, Sweden
- *A Long Term Analysis (1975 – 2004) of Heat Waves Cold Spells using Distributed Lag Non-Linear Models.* 110th Annual Meeting of the Association of American Geographers. Tampa, FL
- *Understanding the Science of Climate Change and the Implications for Kent and Beyond.* League of Women Voters of Kent, Ohio. Kent Free Library
- *Changes in Heat Waves and Cold Spells (1948 - 2012) based on different thresholds of apparent temperature.* 94th Annual Meeting of the American Meteorological Society: Stanley A. Changnon Symposium. Atlanta, GA
- *Climate Variability: Changes in Seasons across the U.S.* Annual Meeting of the Pennsylvania Geographical Society. Pittsburgh, PA

2013

- *A Study of Chronic Bronchitis in New York State using Spatial Synoptic Classification and Distributed Lag Non-Linear Modeling Techniques.* 13th Annual Meeting of the European Meteorological Society. Reading, UK,
- *The Variability of Seasons: Evaluating Spatial and Temporal Trends in the United States.* International Geographical Union Kyoto Regional Conference. Kyoto, Japan,
- *Seasons in Climate-Health Research: A Critical Evaluation of Delineation Methods.* XVth International Symposium in Medical Geography, East Lansing, MI
- *Evaluating Mortality through Composite Mapping: A Seasonal Perspective.* 93rd Annual Meeting of the American Meteorological Society. Austin, TX

2012

- ***Extreme Temperature Environments: Planning for the Future.*** 4th International Student Training Workshop on Health and Environmental Changes in Mega Urban Areas. Beijing, China
- ***Evaluating Transition Weather Types during the Winter Season.*** 24th Annual Conference of the International Society for Environmental Epidemiology. Columbia, SC
- ***Graduate Studies, Geography, and Public Health.*** College of Public Health Doctoral Meeting. Kent State University
- ***A Reexamination of Winter Weather Issues Using Distributed Lag Models.*** 108th Annual Meeting of the Association of American Geographers. New York City, NY

2011

- ***High-mortality days during the winter season: Comparing meteorological conditions across 5 U.S. cities.*** 19th International Congress of Biometeorology. Auckland, New Zealand
- ***Chronic Bronchitis Hospital Admissions in New York State.*** 19th International Congress of Biometeorology. Auckland, New Zealand
- ***Record heat waves in Moldova in 2007: Identification, description, and health consequences.*** Regional Meeting of the East Lakes Division of the Association of American Geographers. Youngstown, OH
- ***New York State: Examining acute bronchitis in children (<5 years) using the Spatial Synoptic Classification (1991-2006).*** 107th Annual Meeting of the Association of American Geographers. Seattle, WA
- ***Health and Weather: Factors that Contribute to High Mortality during the Winter Season.*** Meeting of the Experimental Aviation Association Chapter 1252. Columbia Station, OH
- ***Assessing the Influence of Weather During Wintertime High Mortality Days.*** Meeting of the Northeast Ohio Chapter of the American Meteorological Society. Brunswick, OH

2010

- ***Statistical considerations in the development of Heat Watch-Warning Systems.*** Workshop: Improving Public Health Response to Heat Events. National Center for Public Health. Chişinău, Moldova
- ***Impact of winter weather on human health.*** 25th Annual Graduate Student Senate Colloquium. Kent State University
- ***The impact of winter weather on human health: A regional approach to understanding vulnerability in the United States.*** 106th Annual Meeting of the Association of American Geographers. Washington, D.C.
- ***Record heat waves in Moldova in 2007: Identification, description, and health consequences.*** 90th Annual Meeting of the American Meteorological Society: 1st Environment and Health Symposium. Atlanta, GA
- ***Weather: How it works and why it's important.*** Cuyahoga Valley Career Center. Central Elementary School (Brecksville), OH
- ***The Wonderful World of Weather.*** Derry Area High School (Pennsylvania). Mrs. Michelle Dorazio Physical Science Class

2008

- ***The Effects of Temperature, Humidity, and Precipitation on Respiratory Induce Hospitalizations (1998-2006) in Allegheny and Philadelphia Counties.*** 1st Annual StormFest. Carnegie Science Center, Pittsburgh

2007

- *A study of snow characteristics using 2D video and dual-polarized radar: The case of 20 January 2007.* Research Experience for Undergraduates. Colorado State University, Fort Collins, CO

PROFESSIONAL DEVELOPMENT & WORKSHOPS

- 2020 *Advancing the Theory and Practice of Urban Heat Resilience* Aspen Global Change Institute, Online 2-day workshop Participant
- 2019 *Improving Disciplinary Writing (IDW) Workshop* Old Dominion University, Norfolk, VA Faculty Participant
- 2018 *Climate Change Overview* Old Dominion University BLAST, Norfolk, VA Faculty Presenter and Panelist
- 2017 *Stratford Hall Summer Institute for Teachers: Historic and Geographic perspectives: Slavery in Virginia (1607-1758)* Stratford Hall and the Virginia Geographic Alliance, Stratford, VA Faculty Presenter
- 2016 *ISB 2nd SNP Workshop: Enhancing the Teaching & Learning of Biometeorology in Higher Education* International Society of Biometeorology; Old Dominion University Organizer, Host, and Participant
- 2016 *Graduate Faculty Development Alliance Workshop* American Geographers of Association; University of Tennessee, Knoxville, TN Participant
- 2016 *Stratford Hall Summer Institute for Teachers: An Environmental History: The Virginia Tidewater (1300 – 1700)* Stratford Hall and the Virginia Geographic Alliance, Stratford, VA Faculty Presenter
- 2015 *Multi-Alliance Geo-Literacy Leadership Institute* National Geographic Alliance, University of North Alabama Participant
- 2015 *ODU Center for Learning and Teaching Faculty Summer Institute* Make a Difference with Service-Learning, Norfolk, Virginia Participant
- 2014 *Students and New Professionals (SNP) Day* International Congress of Biometeorology, Cleveland, Ohio Participant and Presenter
- 2014 *1st International SNP Workshop on Biomet. & Applied Synoptic Climatology* Tromp Foundation, International Congress of Biometeorology, Vindeln, Sweden Participant and Presenter
- 2014 *University Fellowship* Kent state University, Division of Graduate Studies College of Arts and Sciences Awardee
- 2012 *4th International Student Training Workshop on Health and Environmental Changes in Mega Urban Areas* IGU Commission on Health & Environment; Chinese Academy of Sciences, Beijing Invited Participant and Presenter
- 2012–2014 *Graduate Student Orientation (GSO) Teaching Fellowship* Kent State University, Division of Graduate Studies Mentoring Participant
- 2008 *Graduate K-12 Educational Program (GK-12)* National Science Foundation, Alliance (Ohio) City Schools Participant and Presenter
- 2007 *The Seven Habits of Highly Effective People* Stephen R. Covey Program, California University of Pennsylvania Participant

2007 *Research Experience for Undergraduates (REU)* National Science Foundation, Colorado State University Participant

SERVICE

Department

Towson University

- Advising, Environmental Health Track of Environmental Science and Studies 2023 –
- Climate, Weather, and Society Coordinator 2022 –
- Geography Search Committee 2022

Old Dominion University

- University Grievance Committee 2021 – 2022
- Geography Program Director 2019 – 2021
- Program Assessment Committee 2016 – 2022
- Geography Club, Faculty Adviser 2014 – 2020
- Adjunct Portfolio Review Committee for Geography 2014 – 2019
- Search Committee Member, Department of Political Science and Geography 2016
- Gamma Theta Upsilon, Faculty Co-Adviser 2014 – 2016

University

Towson University

- College Council, College of Liberal Arts 2024 –
- Towson University Skydiving Club, Advisor 2024 –
- Sustainability Community of Practice 2022 –
- Towson University Surf Club, Advisor 2022 –

Old Dominion University

- Grievance Committee 2020 – 2022
- Faculty Senate Student Services Committee Chairperson 2020 – 2022
- Faculty Senate, Political Science & Geography Rep 2015 – 2022
- Member, Old Dominion University Humanities Faculty Advisory Board 2017 – 2020
- Search Committee Member, ODU Institute for Coastal Adaptation & Resilience (ICAR) 2020
- Institute for Coastal Adaptation and Resilience (ICAR), College of Arts and Letters Faculty Advisory Board Representative 2019 – 2020
- Search Committee Member, ODU College of Health Sciences 2019
- Alternative Spring Break Faculty Leader to Oinofyta Refugee Camp, Greece 2017
- Member, Old Dominion University Resilience Collaboration Steering Committee 2016 – 2018

- Old Dominion University, Active Transportation Advisory Committee [2016 – 2017](#)
- Old Dominion University, Faculty Senate Student Services Committee [2015 – 2020](#)

EXTERNAL AND OTHER SERVICE

- Mid-Atlantic Division of the Association of American Geographers, Vice President [2023 –](#)
- International Society of Biometeorology, Treasurer [2020 –](#)
- International Society of Biometeorology, Secretary [2017 –](#)
- Virginia Geographic Alliance: Steering Committee [2014 – 2022](#)
- Wetland Watch, Board of Directors Chairperson [2022](#)
- Wetland Watch, Board of Directors Secretary [2017 – 2021](#)
- Wetland Watch, Board of Directors [2015 – 2022](#)
- World Affairs Council Hampton Roads, Board of Directors [2020 – 2022](#)
- Science Museum of Virginia, Science Advisory Panel [2018 – 2022](#)
- ISB Organizing Committee, 22th International Congress of Biometeorology (Virtual) [2021](#)
- National Science Foundation External Project Evaluator (PIRE Award 1743711) [2018 – 2021](#)
- Advanced Placement (AP) Human Geography Reader [2016 – 2020](#)
- National Science Foundation Review Panel [2018; 2021](#)
- AAG Nystrom Award Committee [2018](#)
- ISB SNP 2nd workshop Organizer and Host: Education in Biometeorology [2016](#)
- Virginia Geographic Alliance: BioBlitz 2016 Co-Coordinator [2016](#)
- AAG Co-organizer. Synoptic Climatology: Applications in Interdisciplinary Research [2016](#)
- Virginia Sea Grant/ODU WeatherReady Fest Booth [2016](#)
- Virginia Geographic Alliance: State Geography Bee [2015, 2018](#)
- AAG Co-organizer. Weather, Climate, and Health Parts I-IV [2015](#)
- AMS STAC Student Member: Board on Environment and Health [2014 – 2015](#)
- ISB Program Committee: 20th International Congress of Biometeorology [2014](#)
- ISB Local Organizing Committee, 20th International Congress of Biometeorology [2014](#)
- AAG Co-organizer and Chair. Weather, Climate, and Health Parts I-IV [2014](#)
- HMGS-AAG Student Rep.: Peter Gould Paper Competition Coordinator [2012 – 2014](#)
- AMS STAC Student Member: Board on Applied Climatology [2012 – 2014](#)
- AAG Co-organizer. Temperature and Health Part II: Temporal Aspects [2012](#)

KENT STATE UNIVERSITY

- Executive Chairperson, Graduate Student Senate [2012 – 2014](#)
- Undergraduate Writing Peer Mentor Program, Department of Geography [2012, 2014](#)
- Student Member, Presidential Search Committee [2013 – 2014](#)
- KSU Presidential Taskforce: Commission on Women in STEM Education and Research [2013](#)
- Member, Associate Provost Search Committee [2013](#)
- Symposium Chairperson, Graduate Student Senate [2010 – 2012](#)
- Member, Graduate Student Trustee Search Committee [2013](#)
- President, Geography Graduate Student Association [2012 – 2014](#)

RECOGNITIONS AND AWARDS

- [International Association for Urban Climate \(Uni. of Novi Sad\) Scholarship 2020](#)
- [SENCER \(Science Education for New Civic Engagements and Responsibilities\) 2017 Summer Institute](#). Travel accommodations through the Virginia Geographic Alliance
- [Shining Star Award \(2015; 2018\)](#). ODU Division of Student Engagement and Enrollment Services. Award to faculty who demonstrate evidence for helping students succeed academically, professionally or personally inside and outside of the classroom.
- [Multi-Alliance Geo-Literacy Leadership Institute Awardee \(2015\)](#). Travel accommodations through the Virginia Geographic Alliance
- [Tromp Foundation Award: 1st International SNP Course on Biomet. & Applied Synoptic Climo. \(2014\)](#). Travel stipend to attend workshop and present methodologies in Vindeln, Sweden (\$1,500)
- [Kent State University Graduate Student Senate Domestic Travel Awards](#) and International Travel Awards
- [Pennsylvania Geographical Society First Place Graduate Student Paper Competition \(2013\)](#). Academic excellence as recognized by the society
- [Nash-Enedy Centennial Award \(2013, 2014\)](#). Recognized by Department of Geography peers for outstanding service, mentorship, and leadership. Part of the Centennial Committee inaugural awards (\$500)
- [International Society for Environmental Epidemiology: Student Travel Scholarship \(2012\)](#). Funding to the 24th Annual Conference of the ISEE (Registration fee of \$550)
- [Kent State University: Geography Isenogle Memorial Graduate Award \(2012\)](#). Outstanding service to the discipline in the University community (\$500)
- [American Meteorological Society Student Assistantship \(2008, 2009\)](#). Travel support for Annual Meeting.
- [Robert A. Vargo Earth Science Scholarship Recipient \(2007\)](#). In recognition of outstanding academic performance in the Department of Earth Sciences (\$1,385)
- [Lawrence L. Moses Scholarship in Meteorology Scholarship \(2007\)](#). In recognition of service and academic record in the major (\$500)
- [Wendy's International Scholarship Recipient \(2006\)](#). Academic excellence and dedication to Wendy's International restaurant (\$1,000).
- [Royal Rangers: Gold Medal of Achievement \(2003\)](#)
- [Leadership Development Program \(1999 – 2003\)](#)

EXTRA-CURRICULAR AND COMMUNITY SERVICE

ODU Faculty Team: World Affairs Council WorldQuest	2014 – 2021
Dream Team Faculty College Bowl, SEDAAG	2020 - 2021
FEMA Emergency Management Institute (Incident Command and NIMS)	2015
Women's Flat Track Derby Association (WFTDA) Non-Skating Official	2012 – 2014
Greensburg, PA Multiple Sclerosis Community Walk Volunteer	2001 – 2012
Association of American Geographers: AMS Representative	2012

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Kent State University Open House Geography Representative	2008 – 2011
National Forecast Competition: Kent State University Coordinator	2008 – 2009
California University of Pennsylvania TIMES Meteorologist	2006 – 2008
Highway Adoption Program	2005 – 2007

PROFESSIONAL AFFILIATIONS

European Geosciences Union	2023 –
Mid-Atlantic Division of the American Geographers of Association	2022 –
National Council for Geographic Education	2018 –
International Society of Biometeorology	2010 –
American Association of Geographers	2009 –
Southeast Division of the American Geographers of Association	2014 – 2022
American Meteorological Society	2005 – 2016
Pennsylvania Geographical Society	2013 – 2014
National Weather Association	2006 – 2014