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Curriculum Vitae (Abbreviated)

SUSAN L. CUTTER

Current Position

Carolina Distinguished Professor Emeritus
Co-Director, Hazards Vulnerability and Resilience Institute
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Education

Ph.D. 1976 University of Chicago
M.A. 1974 University of Chicago
B.A. 1973 California State University, East Bay

Academic Positions

1993- University of South Carolina
2023- Co-Director, Hazards Vulnerability and Resilience Institute
2006- 2022 Director, Hazards & Vulnerability Research Institute
2001-2025 Carolina Distinguished Professor
1993-2000 Professor
1995-2006 Director, Hazards Research Lab
1993-2000 Chair
1977-93 Rutgers University
1992-93 Member, Environmental Policy Division, Environmental and Occupational Health Sciences Institute (EOHSI)
1986-88 Chair, Department of Geography
1985-88 Director, Graduate Program in Geography
1983-93 Associate Professor (Department of Geography and Dept. of Human Ecology (Cook College)
1977-83 Assistant Professor
1976-77 Visiting Assistant Professor, Department of Geography and Institute for Environmental Studies, University of Washington.
1975 Research Associate, Energy and Environmental Systems Division, Argonne National Laboratory, Argonne, Illinois.

Publications

Books and Monographs

- Susan L. Cutter, Melanie Gall, and Claire B. Rubin (eds.), 2025. *From Disaster to Catastrophe: Emergency Management in the 21st Century*, Second Edition, Routledge.
- Claire B. Rubin and Susan L. Cutter (eds.), 2020. *From Disaster to Catastrophe: Emergency Management in the 21st Century*, Routledge.
- Susan L. Cutter, Christopher T. Emrich, Jerry T. Mitchell, Walter W. Piegorsch, Mark M. Smith, and Lynn Weber. 2014. *Hurricane Katrina and the Forgotten Coast of Mississippi*. New York, NY and Cambridge, UK: Cambridge University Press.
- Susan L. Cutter. 2006. *Hazards, Vulnerability, and Environmental Justice*. London and Sterling, VA: Earthscan. 418 pp.
- M. Duane Nellis, Janice Monk, and Susan L. Cutter (eds.). 2004. *Presidential Musings from the Meridian: Reflections on the Nature of Geography by Past Presidents of the Association of American Geographers*. Morgantown, WV: West Virginia University Press. 276 pp.
- Stanley D. Brunn, Susan L. Cutter, and J. W. Harrington Jr. (eds.). 2004. *Geography and Technology*. Dordrecht, Boston, and London: Kluwer Academic Publishers. 613 pp.
- Susan L. Cutter, Douglas Richardson, and Thomas Wilbanks (eds.). 2003. *The Geographical Dimensions of Terrorism*. New York and London: Routledge. 274 pp.
- Susan L. Cutter and William H. Renwick. 2003. *Exploitation, Conservation, Preservation: A Geographic Perspective on Natural Resource Use Fourth Edition*. New York: John Wiley & Sons. 390 pp. (3rd Edition published in 1999, 391 pp.)
- Susan L. Cutter, Hilary L. Renwick and William H. Renwick, 1991. *Exploitation, Conservation, Preservation: A Geographic Perspective on Natural Resource Use, Second Edition*. New York: John Wiley & Sons. 455 pp. (First Edition published in 1985 by Rowman and Littlefield, Totowa, New Jersey. 448 pp.).
- Susan L. Cutter (editor), 2001. *American Hazardscapes: The Regionalization of Hazards and Disasters*. Washington D.C.: Joseph Henry Press/National Academy of Sciences. 211 pp.
- Susan L. Cutter, Deborah S.K. Thomas, Micah E. Cutler, Jerry T. Mitchell, and Michael S. Scott, 1999. *South Carolina Atlas of Environmental Risks and Hazards*. Columbia, SC: University of South Carolina Press, CD-ROM.
- Susan L. Cutter (ed.), 1994. *Environmental Risks and Hazards*. Englewood Cliffs: Prentice-Hall. 413 pp.
- Susan L. Cutter, 1993. *Living with Risk*. London: Edward Arnold. 214 pp.
- D.G. Janelle, (ed.) with A.D. Abrahams, S.S. Birdsall, L.E. Conkey, S.L. Cutter, J.H. Johnson Jr., V.A.

- Konrad, J.R. Mather, P.F. McDowell R.A. Muller, W. Zelinsky, and P.M. Chalk, (associate eds.), 1992. *Geographical Snapshots of North America*. New York: The Guilford Press. 442 pp.
- Susan L. Cutter, 1985. *Rating Places: A Geographer's View of Quality of Life*. Washington, D.C.: Association of American Geographers Resource Publications. 76 pp.
- Susan (Caris) Cutter, 1978. *Community Attitudes Toward Pollution*. Chicago: University of Chicago, Department of Geography Research Paper 188. 211 pp.
- Brian J.L. Berry, Susan (Caris) Cutter, et al., 1977. *The Social Burdens of Environmental Pollution*. Brian J.L. Berry (ed.), Cambridge: Ballinger. 613 pp.

Refereed Articles

151. Habets, M. and S.L. Cutter, 2024. A community resilience index for place-based actionable metrics, *Risk Analysis* 1:14 DOI: 10.1111/risa.17684
150. Robertson, B. W., Dow, K., Salinas, J., & Cutter, S. L. 2024. Heat risk perceptions and coping strategies of the unhoused. *International Journal of Environmental Research and Public Health*, 21(6), 737. <https://doi.org/10.3390/ijerph21060737>
149. Cutter, S.L. 2024. The origin and diffusion of the Social Vulnerability Index (SoVI), *International Journal of Disaster Risk Reduction* 109 (July), 104576. <https://doi.org/10.1016/j.ijdr.2024.104576>
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144. Cutter, S. L. and Q. Huang, 2022. The persistence of COVID-19 and inequities in the U.S. experience, *Environment: Science and Policy for Sustainable Development* 64 (5-6): 4-14.
143. Derakhshan, S., C.T. Emrich, and S.L. Cutter, 2022. Degree and direction of overlap between social vulnerability and community resilience measurements, *PLoS ONE* 17(10):e0275975. <https://doi.org/10.1371/journal.pone.0275975>

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114. Cutter, S. L., 2016. The changing context of hazard extremes: Events, impacts, and consequences, *J. Extreme Events*, 3(2): doi:10.1142/S23455737616710056 (February 2, 2017).
113. Ismail-Zadeh, A. T., S. L. Cutter, K. Takeuchi, and D. Paton, 2017. Forging a paradigm shift in disaster science, *Natural Hazards* 86(2): 969-988.
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111. Cutter, S. L., 2017. The forgotten casualties redux: Women, children, and disaster risk, *Global Environmental Change* 42:117-121.
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80(2): 741-758.

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104. Cutter, S. L. and M. Gall, 2015. Sendai targets at risk, *Nature Climate Change* 5 (August):707-709.

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Susan L. Cutter, Kent Barnes, James Brosius, Robert McCarthy, and Aletha Spang, 1980. "Community Recycling in New Jersey," Research Bulletin B-855. New Brunswick: New Jersey Agricultural Experiment Station.

Kent Barnes, James Brosius, Susan L. Cutter, and James. K. Mitchell, 1979. "Responses of Impacted Populations to the Three Mile Island Nuclear Reactor Accident: An Initial Assessment," Department of Geography Discussion Paper #13. Rutgers University, 26 pp.

Research Grants

External Funding (since 2015)

2023 Cutter, S.L. (PI), Collaborative Research: RII Track-2 FEC: Where we live (W2L): Local and place based adaptation to climate change in underserved rural communities, National Science Foundation, October 1, 2023-September 30, 2027, \$1,780,000. Total award including University of Nevada, Reno and University of Idaho, \$5,991,257.

2023 Cutter, S.L. (PI), Strengthening charitable food system capability for effective disaster preparedness, response, and recovery, subaward from Virginia Tech/Feeding America, January 1, 2023-December 31, 2024, \$51,400.

2022 Cutter, S.L. (PI), S. Adamo (co-PI), Identification of disadvantaged and low capacity communities subject to wildfire risks, NASA, July 1, 2022-September 30, 2023, \$120,000.

2022 Cutter, S.L. (PI). Assessment of resilience best practices and metrics in support of state resilience planning efforts, South Carolina Office of Resilience, July 1, 2022-August 15, 2023, \$65,000.

2022 Dow, K. (PI), Cutter, S.L., G. Carbone, A. Hiscox, B. Robertson (co-PIs), Addressing geographical and social diversity in heat health messaging, NOAA, May 1, 2022-April 30, 2025, \$450,000.

2021 Cutter, S.L. (PI). Post-audit of social vulnerability metrics supporting disaster recovery, Addition to Mitigation needs assessment for CDBG-MIT Plan, South Carolina Disaster Recovery Office, May 16, 2021-May 15, 2022, \$40,000.

2021 Cutter, S.L. (co-PI). Planning Grant: Engineering Research Center for Wildfire Hazard Resilience and Risk Engineering (WiRE), UCLA Primary Lead/National Science Foundation, September 1, 2021-August 31, 2022, \$100,000 (UofSC portion is \$5000).

2021 Cutter, S.L. (PI). SCEMD Multi-Hazard Mitigation Plan 2023 Update. SC Emergency Preparedness Division/FEMA, March 1, 2021-February, 2023, \$109,030.

2021 Cutter, S.L. (PI). Evaluation services to Feeding America for building capacity for effective disaster preparedness and recovery, subaward from Virginia Tech/Feeding America, January 1-December 31 2021, \$30,556.

2019 Cutter, S.L. (PI). Why location matters: how smarter decision-making by renters and homebuyers will increase coastal resilience, subaward from U Central Florida/Gulf Research Program, October 1, 2019-September 30, 2023, \$170,000.

2019 Cutter, S.L. (PI). Evaluation services to Feeding America for building capacity for effective disaster preparedness and recovery, subaward from Oklahoma State University, December 1, 2019-August 15, 2020, \$20,776.

2019 Cutter, S.L. (PI). Mitigation needs assessment for CDBG-MIT Plan, SC Disaster Recovery Office, October 1, 2019-September 30, 2021,\$50,000.

2018 Cutter, S.L. (PI). Climate change adaptation and vulnerability, Collaboration with Chr Michelsen Institute, Norway, March 1, 2018- February 28, 2021, \$32,815.

2018 Cutter, S.L. (PI). Existing Longitudinal Data and Systems for Measuring the Human Dimensions of Resilience, Health, and Well-Being in the Gulf Coast, National Academies Gulf Research Program, June 22, 2018-June 8, 2019, \$178,000.

2017 Cutter, S.L. (PI). Social vulnerability element of FEMA's Risk Index, Atkins, NA, Inc./FEMA,

January 15, 2017-January 14, 2019, \$150,800.

2016 Cutter, S.L.(PI) and M. Gall (co-PI) Improving risk assessment in support of state hazard mitigation planning, SCEMD/FEMA, June 2, 2016-June 1, 2019, \$420,790.

2015 Cutter, S.L. (PI) with M. Gall and C. T. Emrich (co-investigators), Improving drought loss accounting in the Spatial Hazard Events and Losses Database for the United States (SHELDUS), NOAA, July 1, 2015-June 30, 2017, \$60,000.

2015 Gall, M. (PI), C. T. Emrich, and S.L. Cutter (co-PIs). Multi-scale spatio-temporal evaluation of mitigation effectiveness in reducing natural hazard damage and loss, LSU (GOSEP/DHS/FEMA), March 1, 2015-February 28, 2017, \$185,054.

2015 Emrich, C.T. (PI), M. Gall, and S. L. Cutter (co-PIs). Statewide, Web-based risk assessment planning project for Florida, Florida Department of Emergency Management, July 1, 2015-June 30, 2016, \$237,163.

Patents and Trademarks

2011 Registered Trademark for SHELDUS (Reg. No. 4,037,284, First Use 7-1-2003; in Commerce 7-1-2003), registered October 11, 2011 (Ser. No. 85-103,744, Filed 8-10-2010); Continued use /live status 9/13/2017.

2011 Registered Trademark for SOVI (Reg. No. 4,037,285, First Use 7-1-2003; in Commerce 7-1-2003), registered October 11, 2011 (Ser. No. 85-103,746, Filed 8-10-2010); Continued use/live Status 9/13/2017, 9/24/2021.

Editorships (since 2015)

2025- Senior Consulting Editor, *Environment: Science and Policy for Sustainable Development*

2021- Editorial Board, *Intl. Journal of Urban Informatics*

2018-20 Editor, *Weather, Climate, and Society* (AMS Publications)

2018-21 Editorial Board, *Boletín de la Asociación de Geógrafos Españoles (BAGE)* (Spanish Association of Geographers –Asociación de Geógrafos Españoles)

2013-19 Editor-in-Chief, Oxford Research Encyclopedia: Natural Hazard Science
<http://naturalhazardscience.oxfordre.com/>

2014-18 Editorial Board, *Annals of the American Association of Geographers* (Taylor & Francis)

2013- Advisory Board, *Journal of Extreme Events* (World Scientific)

Invited Lectures (Since 2015)

2024

S.L. Cutter, 2024. Community disaster resilience: To what? For Whom?, 2024 Rachel Carson Distinguished Anniversary Series Lecture, Michigan State University, East Lansing, MI (remote), October 10, 2024 (**Invited**).

S. L. Cutter, Challenges, research needs, and gaps in understanding the socioecological consequences of wildfire, The Social-Ecological Consequences of Future Wildfire in the West: A Workshop, The National Academies of Sciences, Engineering, and Medicine and the Royal Society of Canada, Irvine, CA, June 13-14, 2024 (**Invited Keynote**)

S.L. Cutter, History of and development of resilience metrics, PEW 2024 State Resilience Planning Group Convening, “State and Federal Resilience Initiatives Making a mark: Measuring Impact and Sharing Success, Washington D.C., June 4-5, 2024 (**Invited**).

2023

S.L. Cutter, 2023. Social vulnerability and hazards: From concept to practical applications, Texas 2050 Symposium, University of Texas, Austin, TX, February 28, 2023, (**Invited Keynote**).

S.L. Cutter, Environmental hazards in the Anthropocene, U.S. Society of Dams Plenary, Charleston, SC, April 18, 2023 (**Invited Keynote**).

S.L. Cutter, Local government responses to disproportionate impacts of disasters on vulnerable populations, National Association of Counties (NACo), Remote via Zoom, May 26, 2023 (**Invited**).

S.L. Cutter, Social vulnerability and hazards, Malcolm L. Comeaux Lecture, Arizona State University, Tempe, AZ, November 3, 2023 (**Invited**).

2022

Cutter, S.L., 2022. Spatial inequalities in climate-sensitive hazard impacts, Center for Geographic Analysis (CGA), Harvard University Virtual Forum 2022: The Uneven Geography of Climate Change, May 20, 2022, online (**Invited**).

<https://gis.harvard.edu/event/cga-virtual-forum-2022-uneven-geography-climate-change>

Cutter, S.L., 2022. What do we do next? Applied research needs for hazard mitigation and resilience, National Academies (NASEM) Resilient America Program Workshop: Hazard Mitigation and Resilience Applied Research Topics-Compounding and Cascading Events, May 31, 2022, online (**Invited**).

Cutter, S.L., 2022. Quantifying social vulnerability, SC Emergency Management Division 2022 Day of Recovery, July 27, 2022, West Columbia, SC (**Invited**).

Cutter, S.L., 2022. Enhancing community resilience through disaster recovery, Dr. Lucy Jones Center for Science and Policy Recovery to Resilience Symposium, August 5, 2022, online (**Invited**).
<https://drlucyjonescenter.org/event/recovery-to-resilience-symposium/>

Cutter, S.L., 2022. Disaster inequality and equitable risk reduction, Keynote Speaker 4th Kenji Ishihara Colloquium on Earthquake Engineering, EERI San Diego Chapter, September 2, 2022, online (**Invited**).

Cutter, S.L., 2022. Disaster inequality and equitable risk reduction, Cambridge Disaster Research Network, October 25, 2022, online (**Invited**). <https://www.youtube.com/watch?v=kIJXNW3aGnk>

Cutter, S.L., 2022. Disaster resilience and inequality: making squishy real, November 11, 2022, University of Connecticut Department of Geography, Storrs, CT (**Invited**).

Cutter, S.L., 2022. Panelist, National Academies, Geographical and Geospatial Sciences Committee, Cascading Failures, Compounding Risks, and Social Instability, Exploring the Geographical Dimensions of Extreme Climate Change, December 8, 2022, online (**Invited**).

2021

Cutter, S.L., 2021. Persistent Inequalities in Disaster Risk, Environmental Justice and Sustainability Seminar, The Bill Land Center for the American West, Stanford University, February 19, 2021 (**Invited**, online)

Cutter, S.L., 2021. Urban Risks and Resilience, Urban Transformations & Regional Resilience Virtual Lecture Series, Purdue University, April 14, 2021 (**Invited**, online)

Cutter, S.L., 2021. Flood Risk, Vulnerability, and Resilience in the Americas, International Conference on Flood Management 8, August 10, 2021 (**Invited Keynote**, online)

Cutter, S.L. 2021. The Evidentiary Basis for Equitable Risk Reduction in an Era of Increasing Disaster Risk Inequality, NatRiskChange Conference, Potsdam, Germany, October 5, 2021 (**Invited Keynote**, online)

2020

Cutter, S.L., 2020. The changing nature of hazard and disaster risk, **Distinguished Lecture**, Disaster Risk Science Institute, Australia National University, Canberra, Australia, July 22, 2020 (online).

Cutter, S.L., 2020. Integrating disaster resilience into emergency management at local to national scales: The U.S. experience. Regional Platform for Disaster Risk Reduction, coordinated by Regional Emergency Office of Los Ríos Region (ONEMI Los Ríos), Valdivia, Chile, September 25, 2020. **Invited (online)**

Cutter, S.L., 2020. The politicization of emergency management, **Governance Lecture 2020**, Heidelberg Center for Latin America, Santiago, Chile, October 21, 2020. **Invited (online)**.

Cutter, S.L., 2020. Reflections on monitoring compound risk. Monitoring Global Compound Risk in the COVID-19 Era Webinar, World Bank, UNOCHA, UNPBSO, NYU, November 19, 2020. **Invited (online)**

Cutter, S.L., 2020. Reflections on the changing nature of disaster risk: theory and methods. **Invited Keynote**, Climate Change and Disaster Management Conference, Sydney, Australia, December 2, 2020 (online).

2019

Cutter, S.L., 2019. Compounding, cascading or complex disasters: Are these the new normal? Massey University, March 13, 2019, Wellington, New Zealand. **Invited**

Cutter, S.L., 2019. Disaster vulnerability and resilience science: From theory to practice, Emergency Management Summer Institute, 11-15 March 2019, Massey University, Wellington, New Zealand. **Invited** (lecture presented March 15, 2019).

Cutter, S.L., 2019. Social construction of risks and hazards, FEMA National Emergency Training Center Executive Academy, August 19, 2019, Emmitsburg, MD. **Invited**

Cutter, S.L. 2019. Social construction of risks and hazards, University of Western Ontario, November 14, 2019, London, Ontario, Canada. **Invited**

2018

Cutter, S.L. Adapting social vulnerability to other cultural contexts. Seminario: Vulnerabilidad Social ante Eventos Naturales: Desafíos para Integrar Dependencia a la Red Vial, Pontificia Universidad Católica de Chile, Faculty of Engineering, October 8, 2018, Santiago, Chile. **Invited**

Cutter, S.L. Measuring community resilience to coastal hazards, Seminario: Vulnerabilidades, Riesgos y Desastres en la Zona Costera 2018, Pontificia Universidad Católica de Chile, October 9, 2018, Santiago, Chile. **Invited**

Cutter, S.L. Understanding community resilience to natural hazards: Concepts, tools, practice, Workshop on disasters and its effect on infrastructure (Taller Desastres y su efecto en la infraestructura), Institute of Engineering, National Autonomous University of Mexico (UNAM), May 8-9, 2018, Mexico City, Mexico. **Invited**

Cutter, S.L., Panelist, Plenary 1: Sustainable Infrastructure: Building Resilience in the Face of Disasters, 18th National Conference and Global Forum on Science, Policy, and the Environment, January 23-25, 2018, Washington D.C. **Invited**

2017

Cutter, S. L. Disaster Risk Research Needs and Opportunities on Seasonal-to-Sub-seasonal Timescales, Committee to Advise the U.S. Global Change Research Program, National Academies of Science, Engineering, and Medicine, Washington D.C., December 5, 2017. **Invited**

Cutter, S.L., Disasters: Rescue, Relief, and Recovery, Invited Keynote, Sustainability Teach-In: Disaster Relief in the Caribbean Islands, Clemson Global Engagement & Glenn Department of Civil Engineering, Clemson, SC, November 16, 2017. **Invited Keynote**

Cutter, S.L., Disaster Risk Management: Linking Science to Policy and Practice, Women for Disaster Risk Reduction (w4drr) conference, Trento, Italy, May 4-5, 2017. **Invited Keynote**.

2016

Cutter, S.L., 2016. The role of science in disaster risk management policy and practice. Risk Prevention and Disaster Management Lecture Series 2015/2016, University of Vienna, January 19, 2016, Vienna, Austria. **Invited**.

Cutter, S.L., 2016. The changing context of hazard extremes: events, impacts, and consequences. Social and Behavioral Sciences 2016 Dean's Distinguished Lectureship, Rutgers University, March 2, 2016. Piscataway, NJ. **Invited**.

Cutter, S. L., 2016. The perilous nature of food supplies: natural hazards, social vulnerability, and disaster resilience. Vulnerability of Agricultural Production Networks and Global Food Value Chains

due to Natural Disasters Conference, June 20-24, 2016, Vienna, Austria. **Invited.**

Gall, M. and S.L. Cutter, 2016. Disaster loss data in the United States, RIMMA 2016: Interdisciplinary CODATA Workshop on RISK Information Management, Risk Models and Applications, June 27-28, 2016, Berlin, Germany. **Invited.**

Cutter, S.L., 2016. Urbanism and hazard extremes. International Conference on Urban Risks (ICUR), June 30-July 2, 2016, Lisbon, Portugal. **Invited Keynote.**

Cutter, S. L., 2016. Social vulnerability and community resilience measurement and tools. Natural Disaster Resilience: An Urgent Need and Opportunity for Chile Conference sponsored by CNID and CREDEN, August 25, 2016, Santiago, Chile. **Invited.**

Cutter, S.L., 2016. Risk and vulnerability in the context of DRR and CAA: Personal reflections on the IPCC process. INQUIMUS Workshop: Spatial and Temporal Dynamics of Risk and Vulnerability, September 21-23, 2016, Salzburg, Austria. **Invited.**

Professional Activity

National Research Council/NASEM

- 2024 Review coordinator, *Compounding Disasters in Gulf Coast Communities 2020-2021: Impacts, Findings, and Lessons Learned*, (Gulf Health and Resilience Board)
- 2016-19 Appointed Member, Committee on Measures of Community Resilience, National Academies of Sciences, Engineering and Medicine, Policy and Global Affairs.
- 2016-20 Appointed Member, Resilient America Roundtable, National Research Council
- 2013-15 Appointed Member, Board on Earth Sciences and Resources (BESR), National Research Council
- 2011-12 Member, Committee on Levees and the National Flood Insurance Program: Improving Policies and Practices, National Research Council (Water Science and Technology Board)
- 2010-13 Chair, Committee on Increasing National Resilience to Hazards and Disasters (COSEPUP and Disasters Roundtable)
- 2008-09 Chair, Committee on Applications of Social Network Analysis for Building Community Disaster Resilience: A Workshop (Geographical Sciences, DELS)
- 2005-07 Chair, Committee on the Effective Use of Data, Methodologies and Technologies to Estimate Sub-National Populations at Risk, National Research Council (Geographical Sciences, DELS)
- 2005-06 Member, Panel on Planning for Catastrophe: A Blueprint for Improving Geospatial Data, Tools, and Infrastructure, National Research Council (Mapping Sciences, DELS).
- 2004-07 Member, Executive Committee, Earth Systems Observations from Space: A Community Assessment and Strategy for the Future (Decadal Survey), National Research Council (Space Studies Board)
- 2004-08 Member, Committee on Geographical Sciences, National Research Council
- 2004-06 Member, Panel on Disaster Research in the Social Sciences: Future Challenges and Opportunities, National Research Council
- 2003-05 Member, Panel on Social and Behavioral Science Research Priorities for Environmental Decision Making, National Research Council (DBASSE)

Other Professional

2021-24 Appointed member, South Carolina Resilience Plan Advisory Committee, SC Office of Resilience

2021-25 Member, AAG Wilbanks Award Committee

2020-21 External Advisory Board member, Disaster Risk Science Institute, Australian National University

2019-23 MunichRe Foundation Risk Awards Review Committee

2018 Appointed member, AGU Gilbert F. White Award Committee

2017 Appointed Member, New Zealand Natural Hazards Research Platform Advisory Group

2017-20 Chair, AAG Military and Geography Committee

2017 Member, AGU Honors and Recognition Committee

2016-18 Appointed member, South Carolina Department of Insurance Safe Home Advisory Committee

2016-20 Member, FEMA Risk Index Social Vulnerability Working Group

2015-18 Appointed member, Research Advisory Group of the UK Department of International Development (DFID)

2014-15 Rebuild by Design Juror for Hurricane Sandy Recovery projects (Department of Housing and Urban Development and The Rockefeller Foundation) <http://www.rebuildbydesign.org/>

2014 AGU Science for Solutions Award Committee

2014-16 MunichRe Foundation Risk Award Review Panel

2013-14 Appointed review editor, IPCC Fifth Assessment Report, Working Group II Chapter 13, Livelihoods and Poverty

2012-14 Member, International Advisory Group, Swedish Centre for Natural Disaster Science (CNDS)

2012-13 Member, Southern California Earthquake Center (SCEC) External Advisory Council, Los Angeles, CA.

2011-12 Member, Interuniversity Consortium for Political and Social Research (ICPSR) Council, University of Michigan, Ann Arbor, MI

2011-13 Appointed Coordinating Lead Author, United States National Climate Assessment (Urban Systems, Infrastructure, and Vulnerability chapter)

2011-12 Appointed Lead Author, US National Climate Assessment (Coastal Chapter Technical Inputs)

2011-15 Appointed Member, National Construction Safety Team Advisory Committee, National Institute of Standards and Technology (NIST)

2009-15 Vice Chair and Member, Integrated Research on Disaster Risk (IRDR) Scientific Committee, International Council of Scientific Unions, International Social Science Council, International Strategy for Disaster Reduction

2009-12 Coordinating Lead Author, IPCC Special Report on Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation (SREX)

2009-11 Member, Louisiana Coastal Area (LCA) Ecosystem Restoration Program

2009-12 Vice Chair, AGU Focus Group on Natural Hazards

2009 Chair, Committee of Visitors (COV) for Behavioral and Cognitive Sciences programs, National Science Foundation

2008-13 Member, Environment Research and Education Advisory Committee, National Science Foundation (reappointed for second term)

2008-13 Member, Social and Behavioral and Economic Sciences Advisory Committee, National Science Foundation (reappointed for a second term)

2008 Site Review Team Member, National Interagency Fire Center, Boise, ID

2008 Member Annual Meeting planning committee, Earthquake Engineering Research Institute

2007 Proposal Reviewer, European Commission Research Directorate, Environment.

2007-08 President, Consortium of Social Science Associations (COSSA)

2007-09 AAG Publications Committee

2006 Chair, International Geographical Union (IGU) Commission on Hazards and Risk
 2006-08 Member, Land Use Land Cover Change Science Steering Group to the Land Use Interagency Working Group (LUIWG) of the Climate Change Science Program, US Global Change Research Program
 2006-08 Member, Heinz Center Steering Committee, The Nation's Coasts: A Vision for the Future
 2006-07 Member AAAS Electorate Nominating Committee, Section K
 2006 US Army Corps of Engineers, IPET Study on the socioeconomic consequences of the New Orleans Levee failure
 2006-11 Member, External Advisory Committee, Decision Center for a Desert City, Arizona State University
 2005 Invited workshop participant, Hurricane Forecasting and Warning Systems, NOAA, Pomona, CA.
 2005-11 AAG Representative to the Consortium of Social Science Associations (COSSA)
 2004-08 Member, Emergency Information Infrastructure Project (EIIP) Board of Directors
 2004-06 Member, AAG Publications Committee
 2004-10 Member, Advisory Board, NCGIA-Buffalo IGERT Doctoral Program in Geographic Information Science, SUNY Buffalo
 2004 Member, Heinz Center's Sustainable Oceans, Coasts, and Waterways Advisory Committee.
 2004 Member, NSF Site Review Team for Decision Making Under Uncertainty Center
 2003 External reviewer, Department of Geography, University of Iowa
 2003-06 Elected Member, Electorate Nominating Committee, Section K Social, Economic, and Political Sciences, AAAS
 2003 Panel Reviewer, Multidisciplinary Research on Critical Infrastructure Systems, National Science Foundation
 2003 Member, AAG Long Range Planning Committee
 2003 Panel Reviewer, Information Technology Research (ITR) and Multidisciplinary Research on Critical Infrastructure Systems, National Science Foundation
 2002-03 Chair, Samuel Henry Price Award Committee (International Research Committee on Disasters) for the best dissertation in the disaster studies field)
 2002 Invited Participant, Workshop on Integrated Research in Risk Analysis and Decision Making, National Science Foundation
 2002 Member, AAG Executive Director Search Committee
 2002-03 Member, Technical Advisory Committee of the SC Department of Natural Resources' Flood Mapping Program
 2001 External reviewer, Department of Geography, Hunter College
 2001 Invited Moderator, National Forum on Risk Management and Assessment of Natural Hazards, Washington D.C.
 2001-03 AAG Representative to the Consortium of Social Science Associations (COSSA)
 2001-02 Member Panel on Social Consequences of Coastal Hazards, The H. John Heinz III Center for Science, Economics, and the Environment
 2001-03 Appointed to Advisory Committee for the Division on Earth and Life Sciences, National Research Council
 2001-02 Past President, Association of American Geographers
 2000-01 President (elected), Association of American Geographers
 1999-00 Vice-President (elected), Association of American Geographers
 2000 External Reviewer, Department of Geography, University of Delaware
 1999-01 Member, Oak Ridge National Laboratory Advisory Committee for the Energy Division
 1998-99 Member, South Carolina Flood Hazard Mitigation Advisory Committee (charged with

developing the statewide flood mitigation plan).

1994-2019 Member, National Advisory Committee, Natural Hazards Research and Applications Information Center, Boulder, CO.

1996-2003 Appointed Member, User Working Group, Socioeconomic Data and Applications Center (SEDAC), Consortium for International Earth Science Information Network (CIESIN).

1997-98 Member, Wrigley-Fairchild Prize Selection Committee, American Geographical Society

1996 Member, 1998 Honors Committee, AAG

1995 Elected to 1997 Honors Committee, Association of American Geographers, also elected Chair of the Committee

1994 Member, DoE Review Panel (Risk Assessment and Risk Management Practices in Environmental Management)

1994 Invited Participant, National Research Council Workshop on Research Needs and Modes of Support for Human Dimensions of Global Change.

1994-96 Panel Member, Human Dimensions of Global Environmental Change, Social, Behavioral and Economic Sciences (SBE) Directorate, National Science Foundation.

1994 Elected to SEDAAG Honors Committee

1992 Panel Member, Data Base Activities Program, Division of Instrumentation and Resources, Directorate for Biological, Behavioral, and Social Science, National Science Foundation

1991 Elected Chair, AAG Nominating Committee

1991 Panel Member, Presidential Young Investigators Awards, Social and Economic Sciences, National Science Foundation.

1991 Panel Member, Faculty Awards for Women Scientists and Engineers, Social and Economic Sciences, National Science Foundation.

1990-93 Elected Chair, AAG Hazards Specialty Group

1989 External Reviewer, Department of Geography, Florida State University.

1989-92 Appointed Member, Board of Directors of COSSA (Consortium of Social Science Associations).

1989-92 Appointed Member, Publications Committee, International Geographical Congress, 1992.

1988-91 Elected, Board of Directors, Hazards Specialty Group, AAG.

1988-91 Appointed Member, AAG Publications Committee.

1988-90 Panel Member, Geography and Regional Science, National Science Foundation.

1987-89 Elected Board of Directors, Environmental Perception Specialty Group, AAG.

1986-88 Appointed Member, Committee on the Status of Women in Geography, AAG.

1986-88 Elected, Regional Councilor, Middle States Division, AAG, Member of AAG Council.

1984-86 Member, Executive Committee, Middle States Division, AAG.

1983 Elected, President, Middle States Division, AAG.

1982 Elected, Vice-President, Middle States Division, AAG.

1981 Elected Secretary-Treasurer, Middle States Division, AAG.

1980-82 Treasurer/Secretary, Environmental Studies Specialty Group, AAG.

1980-81 Appointed Member, Executive Committee, New Jersey State Advisory Committee on Recycling. Chair, Public Participation and Education Subcommittee.

1979-81 Appointed Member, Committee on the Status of Women in Geography, AAG.

Membership in Professional Associations

2010- American Meteorological Society

2009- American Geophysical Union

2005-10 Earthquake Engineering Research Institute

1992- American Association for the Advancement of Science (AAAS)
1972- Association of American Geographers (AAG) [50-year member]
1982-2013 Society for Risk Analysis
1984-1990 Research Committee on Disasters, International Sociological Association

Public Service (since 2020)

2024

Print Media

Ian Grenier, “USC professor studying disaster recovery named to prestigious National Academy of Sciences,” *Charleston Post & Courier*, May 3, 2024.

https://www.postandcourier.com/columbia/education/usc-south-carolina-professor-national-academy-sciences/article_6506c5ca-07de-11ef-a980-2f2acfeb1bc1.html

Seth Borenstein, “Data shows hurricanes and earthquakes grab headlines but inland counties top disaster list,” *AP*, July 25, 2024. <https://apnews.com/article/disasters-flood-hurricanes-cost-climate-change-105f4ccc0adf3c5709d59ff06bda409b>

Kristiane Huber, “State, federal officials work to measure progress in fight to limit climate impacts, PEW, September 17, 2024. <https://www.pewtrusts.org/en/research-and-analysis/articles/2024/09/17/state-federal-officials-work-to-measure-progress-in-fight-to-limit-climate-impacts>

Seth Borenstein, “Helene and Milton are both likely to be \$50 billion disasters, joining ranks of most costly storms,” *AP*, October 16, 2024.

<https://apnews.com/article/helene-milton-hurricanes-climate-development-damage-costly-82c1d5df81c76fa08e035bf7c6db3a37>

Patrik Jonsson, “Transformed FEMA faces a torrent of challenges to its growing relief efforts,” *The Christian Science Monitor*, October 18, 2024.

<https://www.csmonitor.com/Environment/2024/1018/helene-fema-distrust-north-carolina>

2023

Print Media:

Seth Borenstein, “The US leads the world in weather catastrophes. Here’s why,” *AP*, April 2, 2023.

<https://apnews.com/article/tornadoes-disasters-extreme-weather-why-af8acdc330cff39d689efc187cd17b7>

Graham Lawton, “Do back-to-back disasters show first climate tipping point is upon us?”, *NewScientist*, March 8, 2023. <https://www.newscientist.com/article/2363210-do-back-to-back-disasters-show-first-climate-tipping-point-is-upon-us/>

Associated Press, “Why the U.S. leads the world in weather catastrophes,” *NBC News*, April 3, 2023. <https://www.nbcnews.com/science/environment/us-leads-world-weather-catastrophes-rcna77898>

Seth Borenstein, Mary Katherine Wildeman, and bobby Caina Calvan, “Fires and other disasters are increasing in Hawaii, according to this AP data analysis,” AP August 17, 2023.

<https://apnews.com/article/hawaii-fires-disaster-declarations-0344e3c954db7e0635cdaa8e87e25c92>

Picked up by US News and World Report, Yahoo News, Hawaii Tribune-Herald, among others.

2022

Television

Chris Joseph, “Water level at Lake Murray dropping ahead of Hurricane Ian,” WIS-TV, Sept. 29, 2022,

<https://www.wistv.com/2022/09/29/water-level-lake-murray-dropping-ahead-hurricane-ian/>

Bill Waddell, Rapidly intensifying hurricanes hitting US on the rise,” AccuWeather, September 22, 2022.

<https://www.accuweather.com/en/videos/rapidly-intensifying-hurricanes-hitting-us-on-the-rise/VmJziAkz>;

Print

Climate Central, “Climate Matters: Hurricane Intensity and Impacts,” September 7, 2022.

<https://www.climatecentral.org/climate-matters/hurricane-intensity-and-impacts>

Derek Hawkins, Photos: Striking before and after photographs over Hurricane Ian’s path,” *Washington Post*, October 4, 2022. https://www.washingtonpost.com/nation/interactive/2022/hurricane-ian-before-after-photos-damage/?itid=ap_derekhawkins

Meghie Rodrigues, “How climate change could drive an increase in gender-based violence,” *Nature*, July 13, 2022. <https://www.nature.com/articles/d41586-022-01903-9>

Tim Marema, “Q&A: The Long Road to Recovery, *Daily Yonder*, October 10, 2022.

<https://dailyyonder.com/qa-the-long-road-to-recovery/2022/10/10/>

2021

Webinars

Horry County Rising, Virtual Webinar Interview with April O’Leary, February 12, 2021

Print

Monica Telles and AP, The riskiest place for a natural disaster in the U.S.? You’re living in it, L.A. *The Los Angeles Times*, January 1, 2021, <https://www.latimes.com/world-nation/story/2021-01-04/watch-out-la-feds-calculate-riskiest-safest-places-in-us>. Also covered by KTLA <https://ktla.com/news/local-news/la-a-ranked-riskiest-county-for-natural-disasters-in-u-s-fema-finds>

Seth Borenstein, Study: Climate change added \$8 billion to Sandy’s damages, *AP News*, May 18, 2021,

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<https://chicago.suntimes.com/2021/5/18/22442258/climate-change-added-8-billion-to-superstorm-sandys-damages-study>

Zoya Tierstein, Beleaguered by disaster damages, the U.S. may finally start spending on resilience, *Grist*,

June 3, 2021, <https://grist.org/politics/beleaguered-by-disaster-damages-the-u-s-may-finally-start-spending-on-resilience/>

Brett Walton, Constant, compounding disasters are exhausting emergency response, *Circle of Blue*, July 6, 2021, <https://www.circleofblue.org/2021/world/the-disasters-are-exhausting-emergency-response/>

Chloe Johnson, SC's new resilience office tackles question of how to avoid damages from strengthening storms, *The Post and Courier*, July 9, 2021, https://www.postandcourier.com/news/scs-new-resilience-office-tackles-question-of-how-to-avoid-damages-from-strengthening-storms/article_2ae99aac-d848-11eb-abf6-772a9291921d.html

Jacob Stern, Two disasters are exponentially worse than one, *The Atlantic*, August 21, 2020. https://www.theatlantic.com/science/archive/2020/08/exponential-threat-pandemic-wildfires/615574/?utm_source=email&utm_medium=social&utm_campaign=share

Seth Borenstein and Jamey Keaten, UN: Weather disasters soar in numbers, cost, but deaths fall, *AP News*, September 1, 2021, <https://apnews.com/article/environment-and-nature-united-nations-weather-climate-change-science--ccc665512d6b2c10e51bd95c6cf06888>, Also appeared in *CBC News* <https://www.cbc.ca/news/science/weather-disasters-1.6160730>

Christopher D'Angelo and Alexander C. Kaufman, We might not know the true toll of Hurricane Ida for weeks, *Huffington Post*, September 2, 2021, https://www.huffpost.com/entry/hurricane-ida-storm-toll_n_612ff17be4b0df9fe27195b6

Peter Aldhous, We don't know how many people are killed by extreme weather. This means even more people will die, *BuzzFeed News*, December 28, 2021. <https://www.buzzfeednews.com/article/peteraldhous/extreme-weather-climate-change-missing-deaths>

Television and Radio

Monica Danielle, New FEMA tool shows risk of weather disasters in different parts of U.S., Fox43, January 14, 2021, <https://www.fox43.com/article/weather/accuweather/national-risk-index-fema-tool>

Scott Morgan, Anybody wanna talk about the stormy weather in South Carolina? SC Public Radio, August 23 2021, <https://www.southcarolinapublicradio.org/sc-news/2021-08-23/anybody-wanna-talk-about-the-stormy-weather-in-south-carolina>, 4:55 min.

Cynthia Harvey, Climate change and what can be done to slow impacts, OnPoint on WACH Fox, August 29, 2021, <https://wach.com/features/on-point/onpoint-on-wach-fox-climate-change-and-what-can-be-done-to-slow-impacts>, 26:48 min.

2020

Print

Sam Harrington, Cross Plains becomes a bright spot for online organizing in times of crisis, *Tone Madison*, April 16, 2020, <https://www.tonemadison.com/articles/cross-plains-becomes-a-bright-spot-for-online-organizing-in-times-of-crisis>

Chloe Johnson, SC scrambles for potential hurricane evacuation plan amid coronavirus pandemic, *The Post & Courier*, April 18, 2020, https://www.postandcourier.com/health/covid19/sc-scrambles-for-potential-hurricane-evacuation-plan-amid-coronavirus-pandemic/article_1c13cf02-7dae-11ea-a560-2fcfd89a766a.html

Kat Eschner, This pandemic won't end without strong federal support, *Popular Science*, May 11, 2020. <https://www.popsi.com/story/health/federal-response-pandemic-covid-19/>

Seth Borenstein, Many states scrambling to update hurricane plans for virus, *Associated Press (AP) News*, May 31, 2020, <https://apnews.com/article/c28c8cc975a89256bc4bff74f780fb6d>

Thomas Frank, Population of top 10 counties for disasters: 81% minority, *ClimateWire, E&E News*, June 8, 2020. <https://www.eenews.net/climatewire/stories/1063347205>

Sara Novak, Hurricane season is about to collide with COVID, *Sierra*, July 13, 2020. <https://www.sierraclub.org/sierra/hurricane-season-about-collide-covid>

Jacob Stern, Two disasters are exponentially worse than one, *The Atlantic*, August 21, 2020, <https://www.theatlantic.com/science/archive/2020/08/exponential-threat-pandemic-wildfires/615574/>

Seth Borenstein, Damage from whopper hurricanes rising for many reasons, *Associated Press (AP) News*, August 26, 2020, <https://apnews.com/article/84ddef64a42db194faecccc0cba7ff0e>

Chloe Johnson, 5 years ago, a 'biblical' flood ushered in SC's wetter future, *The Post and Courier*, October 4, 2020, https://www.postandcourier.com/news/5-years-ago-a-biblical-flood-ushered-in-scs-wetter-future/article_b2e2645e-031c-11eb-8a99-479d65a774be.html

Sara Kiley Watson and Purbita Saha, Six ways the 2020 census will change your life, *Popular Science* April 10, 2020, https://www.msn.com/en-sg/news/techandscience/six-ways-the-2020-census-will-change-your-life/ar-BB18er98?utm_source=%40UofSC+Today&utm_campaign=3ff8baea0

Thomas Frank, Riskiest spot for rising seas is 50 miles from the ocean, *Scientific American*, November 25, 2020, <https://www.scientificamerican.com/article/riskiest-spot-for-rising-seas-is-50-miles-from-the-ocean/>

Radio and Television

Abby Wendle, U.S. disaster response scrambles to protect people from both hurricanes and COVID-19, *NPR Public Radio*, July 22, 2020, https://www.npr.org/2020/07/22/893286668/u-s-disaster-response-scrambles-to-protect-people-from-both-hurricanes-and-covid?utm_source=%40UofSC+Today&utm_campaign=cc0189dd8f-UOFSC_TODAY_2020_07_29&utm_medium=email&utm_term=0_fb5e576816-cc0189dd8f-48128893

Andrew James, WPDE-ABC Affiliate, Myrtle Beach, FEMA releases new National Risk index measuring natural disaster risk, November 19, 2020.

Thesis/Dissertation Supervision

Current Advising: 1 Ph.D. students, 1 MA/MS students

Number of Ph.D. students: 27
Number of MA/MS students (thesis): 43
Number of MA/MS students (non-thesis): 17

Ph.D. Advisor

- Margot Habets, 2025. "Incorporating Temporality and Place in Actionable Resilience Metrics."
- Sarah Jackson, 2023. "The Role of Geographic Context in Tornado Risk, Risk Perception, and Protective Action Behavior."
- Qian Huang, 2022. "Spatial and Age Disparities in COVID-19 Outcomes."
- Sahar Derakhshan, 2020. "Spatio-temporal Modeling of Earthquake Recovery."
- Yago Martín González, 2019. "Leveraging Geotagged Social Media to Monitor Spatial Behavior During Population Movements Triggered by Hurricanes."
- Kevin Ash, 2015. "Mobile Home Resident Perspectives on Preparedness, Protective Action, and Evacuation for Tornado Hazards."
- Ronnie Schumann, 2015. "The Meaning of Place Recovery on the Mississippi Gulf Coast."
- Michael Senn, 2014. "A Comprehensive Disaster Risk Index for the United States."
- Kyle Buck, 2014. "Socio-spatial Factors Driving to Cancer Disparities."
- Gregg Bowser, 2013. "Determining the Differences in Evacuation Perceptions and Influences in the Elderly."
- Christopher G. Burton, 2012. "The Development of Metrics for Community Resilience to Natural Disasters."
- Eric Tate, 2011. "Indices of Social Vulnerability to Hazards: Model Uncertainty and Sensitivity."
- Jennifer Webb (Haney), 2010. "The Thin Green Line: Geographies of Ecoterrorism in the United States."
- Mathew Schmidtlein, 2008. "Spatio-temporal Changes in Social Vulnerability in Charleston, SC from 1960- 2010."
- Kevin Borden, 2008. "Natural Hazards Mortality in the United States."
- Melanie Gall, 2007. "Indices of Social Vulnerability to Natural Hazards: A Comparative Evaluation."
- Christopher Emrich, 2005. "Social Vulnerability in US Metropolitan Areas: Improvements in Hazard Vulnerability Assessment".
- Bryan Boruff, 2005. "A Multiple Hazards Assessment of Two Caribbean Nations: Barbados and St.

Vincent.”

Jamie Mitchem, 2004. “Place Vulnerability to Tornadoes in the United States: A Multi-Scale Assessment”.

Arleen A. Hill, 2002. “Uncertainty and Behavior: Hurricane Hazards in Horry County, South Carolina”.

Deborah S.K. Thomas, 1999. “Factors Influencing Geographic Variability of Children’s Vulnerability to Lead Hazards”.

Michael S. Scott, 1998. “The Exploration of an Air Pollution Hazard Scenario using Dispersion Modeling and a Volumetric Geographic Information System”.

Jerry T. Mitchell, 1998. “Hazards, Religion, and Place: Prayer and Peril in South Carolina”.

Richard F. Collins Jr., 1998. “Risk Visualization as a Means for Altering Hazard Cognition”. (University of South Carolina).

John P. Tiefenbacher, 1992. "Pesticide Drift and the Hazards of Place in San Joaquin County, California". (Rutgers University).

William D. Solecki, 1990. "Acute Chemical Disasters and Rural United States Hazardscapes". (Rutgers University).

Enid L. Lotstein (Ringer), 1990. "Recreational Behavior in a Barrier Island Park". (Rutgers University).

Masters Advisor

Gwyneth Waddington, 2025 (MS). “Clusters in the Storm: Regional Economic Specialization Before and After Hurricane Harvey.”

Erin (Maggie) Kemp, 2025 (MS). “Relative Hazard Losses Along the Atlantic and Gulf Coasts.”

Kyser Daniels-Baessler, 2024 (MS). “Terror and Time: Analyzing Homegrown Terrorism in the United States.”

Christopher Long, 2023 (MS).”A Flood of Information: Assessing the Effectiveness of an Enhanced Social Media Graphic.”

Andrew White, 2022 (MS). “GIS Analysis of Housing Delinquency after Repeated Flooding in Horry County, South Carolina.”

Margot Habets, 2022 (MS). “Neighborhood Change on the Mississippi Coast after Hurricane Katrina (2006-2019).”

Leah M. Blackwood, 2022 (MS). Social Vulnerability and Flood Recovery: A Post-disaster Examination of SoVI’s Effectiveness as a Tool for Targeted Recovery.”

Lee, Logan, 2021 (MS). "Military Communities and Natural Hazards in the United States."

Jacob Ramthun, 2020 (MS). "Flooding and Industrial Swine Farming in North Carolina: Implications of Natech Hazards on the Assessment of Environmental Justice."

Tracy Whelen, 2020 (MS). "A GIS-based Risk Assessment for Fire Departments: Case Study of Richland County, SC"

Jessica Brugh, 2019 (MS). "Don't Rock the Boat: An Analysis of Boat Mitigation Prior to Hurricane Landfall."

Raelene Campbell, 2018 (MS). "Tweets about Tornado Warnings: A Spatiotemporal and Content Analysis."

Erika O. Pham, 2018 (MS). "Analysis of Evacuation Behaviors and Departure Timing for October 2016's Hurricane Matthew."

Rachel Reeves, 2015 (MS). "Economic Losses and Extreme Tornado Events."

Khai Hoan Nguyen, 2015 (MA). "Institutional Resilience along the Mississippi Gulf Coast in the Context of Pre-and Post-Hurricane Katrina."

Dara Angelo, 2012 (MS). "The Impact of Optimism on Evacuation Behavior in South Carolina Hurricane Evacuation Zones."

Casey Zuzak, 2010 (MS). "Differences in Urban and Rural Natural Hazard Mortality in the United States."

Daniel Morath, 2010 (MS). "Social Vulnerability and Public Health: Developing a Metric for Medical Emergency Management in Florida."

Joanne R. Stevenson, 2010 (MS). "Rebuilding Coastal Mississippi following Hurricane Katrina: A Spatial and Temporal Analysis."

Ginni Melton, 2008 (MS). "Assessing Coastal Erosion Vulnerability: Case Study of Georgetown County South Carolina."

Melissa Berry, 2008 (MS). "Insurance as it Relates to Natural Hazards: A Case Study of Florida Counties, 1997-2006."

Lindsey Barnes, 2008 (MS). "Equity of Individual Assistance in Hurricane Katrina."

Reggie McCarn 2008 (MS). "Biological Hazards and their Impact on South Carolina: A Hazard Assessment of Zoonotic Avian Influenza."

Christopher Burton, 2007 (MS). "Social Vulnerability and Hurricane Impact Modeling."

Elizabeth Dunn, 2007 (MS). "Terrorism's Spatiality and Identity Through Media Content Analysis."

- Andrew Edmonds, 2006 (MS). "Employing GIS Techniques to Combat the Reluctance of Pet Owners to Evacuate from Disaster Events."
- Christina Finch, 2006 (MS). "Spatial and Temporal Analysis of Social Vulnerability to Environmental Hazards in the United States."
- Angela Nelson, 2005 (MS). "Conjoint Disasters in South Carolina: The Threat of Tornado-Induced Hazardous Material Releases at TRI Facilities."
- Mathew Schmidtlein, 2005 (MS). "The Spatial Distribution of Biophysical Vulnerability from Natural Hazards in the United States".
- Kevin Borden, 2004 (MS). "Comparing the Vulnerability of the Built Environment Among U.S. Cities".
- Melanie Bartis, 2004 (MS). "Floods in Georgetown County, South Carolina: A Geographic Assessment of Losses".
- Melanie Baker, 2004 (MS). "Hazardous Materials Transportation in South Carolina".
- Steven Jones, 2003 (MS). "Spatial Modeling of Tornadoes".
- Jaime Easoz (Painter), 2002 (MS). "Evaluating the Effectiveness of Flood Reduction Methods in South Carolina".
- Patrice Burns, 2002 (MS). "What is Your Professional Opinion? Risk Perception Variability of Natural and Technological Hazards Among County Emergency Management Directors in South Carolina".
- Paul Putnam, 2000 (MS). "Hurricane Hazard Impact on Property Value Change: A Case Study of Pawley's Island, South Carolina"
- Charmel Menzel, 1998 (MS). "GIS Analysis of Potential Hazardous Chemical Releases Resulting from Flooding".
- Danika Holm, 1994 (MS). "Environmental Inequities in South Carolina: The Distribution of Hazardous Waste Facilities".
- Merlyn Liberty, 1993 (MA). "Accidents Will Happen: A Case Study of the January 1-2, 1990 Exxon Bayway Inter Refinery Pipeline Leak into the Arthur Kill River". (Rutgers University).
- Dianne Shatin, 1987 (MA). "A Spatial Analysis of Women's Cognition and Responses to the Hazards of Nuclear Weapons Technology". (Rutgers University).
- Antony Mason, 1982 (MA). "Conflict Reducing Potential of the Delphi Method in Environmental Disputes". (Rutgers University).
- Robert McCarthy, 1981 (MA). "The Geography of Source Separation in New Jersey". (Rutgers

University).

Aletha Spang, 1980 (MA). "A Study of the Motivational Factors Influencing Recycling Behavior in New Jersey". (Rutgers University).

Non-Thesis:

Savannah Baker, 2023
Tyler Spires, 2018
Bryan Bricker, 2017
Megan Wood, 2016
Robert Gottlieb, 2015
Dan Goff, 2015
Darren Coffey, 1994
Roni Pillsbury, 1992
Patricia Heaney, 1992
Jill Yesko, 1987
Jeffrey Callahan, 1986
William D. Solecki, 1986
Enid Lotstein, 1985
Debbie Alaimo, 1984
Robert Dahl, 1983
James Brosius, 1981

Honors/Awards

2024 Elected member, U.S. National Academy of Sciences
2024 Elected member, U.S. American Academy of Arts and Sciences
2024 Recipient, Dr. B. Wayne Blanchard Award for Academic Excellence in Emergency Management Higher Education, North Dakota State University, Presented at 26th Annual FEMA Emergency Management Higher Education Symposium
2023 Charles E. Fritz Award for Career Achievements in the Social Science Disaster Area, International Sociological Association, RC39 Sociology of Disasters
2020 Disaster Risk Science Institute, Australian National University, The Susan L. Cutter Seminar Series. <https://drsi.anu.edu.au/upcoming-events/past-events/>
2019 AAG Wilbanks Award for Transformational Research in Geography
2019 Lifetime Achievement Award, Human Dimensions of Global Change Specialty Group, AAG
2019 Elected AAG Fellow
2019-22 University Professorial Fellow (Honorary), College of Health and Human Sciences, Charles Darwin University, Darwin, Australia
2018 AAG Presidential Achievement Award
2015 Elected as foreign member, The Royal Norwegian Society of Sciences and Letters
2015 Gilbert F. White Lecture, American Geophysical Union, Natural Hazards Focus Group
2015 Honorary Degree (*Doctor Honoris Causa*), Norwegian University of Science and Technology
2014 Gilbert F. White Lecture in the Geographical Sciences, US National Research Council
[Bell, Trudy 2015. Column on the Gilbert F. White Lecture by Susan L. Cutter.
http://nationalcalamityeaster1913flood.blogspot.com/2015_02_01_archive.html]

- 2013 Southeastern Conference (SEC) Faculty Achievement Award
- 2011 Lifetime Achievement Award, Association of American Geographers
- 2009-12 MunichRe Foundation Chair in Social Vulnerability
- 2008 Nominated for the 2008 Governor's Award for Excellence in Science (South Carolina)
- 2001 Honor's Convocation speaker, California State University, Hayward (May)
- 2001 Named Distinguished Carolina Professor, University of South Carolina
- 1999 Elected Fellow, American Association for the Advancement of Science (AAAS)
- 1999 Russell Research Award for the Humanities and Social Sciences, University of South Carolina