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Curriculum Vitae

**SUSAN L. CUTTER**

Current Position

Carolina Distinguished Professor  
Director, Hazards & Vulnerability Research Institute  
Department of Geography  
University of South Carolina  
Columbia, SC 29208  
(803) 777-5236, FAX: 803-777-4972  
e-mail: scutter@sc.edu

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  
2006- Director, Hazards & Vulnerability Research Institute  
2001- 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, 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. (3<sup>rd</sup> 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**

101. Moran, E. F., S. L. Hofferth, C. C. Eckel, D. Hamilton, B. Entwisle, J. L. Aber, H. E. Brady, D. Conley, S. L. Cutter, K. Hubacek, and J. T. Scholz, 2014. Opinion: Building a 21st-century infrastructure for the social sciences, *Proceedings, US National Academy of Sciences* (PNAS) 111 (45):15855-15856.

100. Cutter, S. L., K. D. Ash, and C. T. Emrich, 2014. The geographies of community disaster resilience, *Global Environmental Change* 29:65-77.

99. Cutter, S. L., R. Schumann, and C. T. Emrich, 2014. Exposure, social vulnerability and recovery disparities in New Jersey after Hurricane Sandy, *Journal of Extreme Events*, 1(1): 23 pp. doi: 10.1142/S234573761450002X

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97. Guillard-Gonçalves, C., S. L. Cutter, C. T. Emrich, and J. L. Zêzere, 2014. Application of Social Vulnerability Index (SoVI) and delineation of natural risk zones in Greater Lisbon, Portugal. *J. of Risk Research*, <http://dx.doi.org/10.1080/13669877.2014.910689>

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94. Birkmann, J., S. L. Cutter, D. S. Rothman, T. Welle, M. Garshagen, B. van Ruijven, B. O'Neill, B. Preston, S. Kienberger, O. D. Cardona, T. Siagian, D. Hidayati, N. J.. Setiadi, C. Binder, B. Hughes, and R. Pulwarty, 2013. Scenarios for vulnerability—opportunities and constraints in the context of climate change and disaster risk, *Climatic Change* DOI 10.1007/s10584-013-0913-2

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90. Cutter, S.L., C. Emrich, D. Morath, and C.M. Dunning, 2013. Integrating social vulnerability into federal flood risk management planning, *J. Flood Risk Management*, 6(4):332-344
89. Gao, P., D. Guo, K. Liao, J. Webb, and S.L. Cutter, 2013. Early detection of terrorism outbreaks using prospective space-time scan statistics, *Professional Geographer* 65 (4): 676-691.
88. Kunkel, K. E., T. R. Karl, H. Brooks, J. Kossin, J. H. Lawrimore, D. Arndt, L. Bosart, D. Changnon, S. L. Cutter, N. Doesken, K. Emanuel, P.Y. Groisman, R. W. Katz, T. Knutson, J. O'Brien, c. J. Paciorek, T. C. Peterson, K. Redmond, D. Robinson, J. Trapp, R. Vose, S. Weaver, M. Wehner, K. Wolter, and D. Wuebbles, 2012. Monitoring and understanding trends in extreme storms: State of knowledge. *Bulletin of the American Meteorological Society (BAMS)* 94(4):499-514.
87. Cutter, S. L., 2012. A ciência da vulnerabilidade: Modelos, métodos e indicadores (Vulnerability Science: Models, Methods, and Indicators), *Revista Crítica de Ciências Sociais* (93): June 2011: 59-69 In Portuguese.
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72. Piegorsch, W. W. and S. L. Cutter, 2009. Response. *Risk Analysis* 29(9): 1201-1202.
71. Gall, M., K. A. Borden, and S. L. Cutter, 2009. When do losses count? Six fallacies of natural hazards loss data. *Bulletin, AMS* 90 (6): 799-809.
70. Webb, J. and S. L. Cutter, 2009. The geography of U.S. terrorist incidents, 1970-2004. *Terrorism & Political Violence* 21 (3): 428-449.
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- Joaquin Delta Area, California,” *Natural Hazards Review* 9(3): 136-149.
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60. Piegorsch, W. W., S. L. Cutter, and F. Hardisty, 2007. “Benchmark Analysis for Quantifying Urban Vulnerability to Terrorist Incidents,” *Risk Analysis* 47 (6): 1411-1425.
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58. Borden, K., M. C. Schmidlein, C. Emrich, W. P. Piegorsch, and S. L. Cutter, 2007. “Vulnerability of US Cities to Environmental Hazards,” *Journal of Homeland Security and Environmental Management* 4(2): Article 5. Available at <http://www.bepress.com/jhsem/vol4/iss2/5>.
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54. Cutter, S. L., C. T. Emrich, J. T. Mitchell, B. J. Boruff, M. Gall, M. C. Schmidlein, C. G. Burton, and G. Melton, 2006. “The Long Road Home: Race, Class, and Recovery from Hurricane Katrina,” *Environment* 48(2): 8-20.
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24. Susan L. Cutter, 1995. "Race, Class and Environmental Justice," *Progress in Human Geography* 19 (1): 107-118.
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### **Articles in Books and Proceedings**

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- Cutter, S.L., J.T. Mitchell, and M.S. Scott, 1997. *Handbook for Conducting a GIS-based Hazards Assessment at the County Level*. Columbia, SC: South Carolina Emergency Preparedness Division, 54 pp.
- Cutter, S.L., J.T. Mitchell, M.S. Scott, and D.S.K. Thomas, 1997. *A GIS-based Hazards Assessment for Georgetown County, South Carolina*. Unpublished Final Report for the SC Emergency Preparedness Division. Columbia, SC: Hazards Research Lab, Department of Geography, University of South Carolina, 71pp.
- Michael S. Scott, Charmel Menzel, and Susan L. Cutter, 1997. Relative Risk Profiles: A Methodology for Assessing Community Risk. Hazards Research Lab Discussion Paper #9. Columbia, SC: Department of Geography, University of South Carolina, 43pp
- Jerry Mitchell, Deborah Thomas, and Susan L. Cutter, 1997. Measuring Environmental Equity in South Carolina. Hazards Research Lab Discussion Paper #8. Columbia, SC: Department of Geography, University of South Carolina, 21pp.
- Joan Ehrenfeld, Susan Cutter, and Enid Lotstein, 1989. Interactions Between Vegetation and Visitors in the Fire Island National Seashore Wilderness Area, Final Report. New Brunswick, NJ: National Park Service Cooperative Research Unit, Rutgers University, 149 pp.
- Joanna Regulska and Susan L. Cutter, 1989. "Putting Geography into Your Classroom." Rutgers University, Dept. of Geography, 24 pp.
- Susan L. Cutter and Joanna Regulska (eds.), 1987. "Fostering Global Thinking: A Geographical Teaching Resource Guide." Rutgers University, Dept. of Geography, 65 pp.
- Susan L. Cutter, William D. Solecki, and Antony B. Mason, 1987. "Emergency Response Planning for

Acute Releases of Hazardous Substances: An Annotated Bibliography." Department of Geography Discussion Paper #25. 33 pp.

Susan L. Cutter, Jeffrey Callahan, Wayne Douglas, Deborah Greenwood, and Enid L. Lotstein, 1986. "Angoff and Mencken's 'Worst American State' Revisited: Interstate Rankings of Quality." Department of Geography Discussion Paper #23. Rutgers University, 34 pp.

Susan L. Cutter and Kent Barnes, 1982. "Three Mile Island: Risk Assessment and Coping Responses of Local Residents, A Summary Report," Department of Geography Discussion Paper #20. Rutgers University, 13 pp.

Susan L. Cutter, Stephen Decter, James Brosius, and Charles Kelly, 1980. "Institutional and Individual Responses to Toxic Chemical Fires: The Chemical Control Corporation Fire, April 21, 1980, Elizabeth, NJ," Department of Geography Discussion Paper #17. Rutgers University, 36 pp.

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.

### **Book Reviews**

25. H. Richardson, P. Gordon, and J. E. Moore (eds.), Natural Disaster Analysis after Hurricane Katrina: Risk Assessment, Economic Impacts and Social Implications. *Journal of Homeland Security and Emergency Management* 6(1) (2009): Article 26.

24. C. Hartman and G. D. Squires (ed.), There is No Such Thing as a Natural Disaster: Race, Class, and Hurricane Katrina. *Journal of the American Planning Association* 74 (2) (2008):264-265.

23. E. Birch and S. Wachter (ed.), Rebuilding Urban Places after Disaster. *Journal of Regional Science* 48 (3) (2008): 667-669.

22. C. Perrow, The Next Catastrophe—Reducing our Vulnerabilities to Natural, Industrial and Terrorist Disasters. *American Scientist* 96 (2007): 170-171.

21. C. H. Foreman Jr., The Promise and Peril of Environmental Justice. *Environment* 41(5) (1999): 26.

20. K. Hewitt, Regions of Risk-A Geographical Introduction to Disaster. *Progress in Human Geography* 22 (4) (1998): 625-626.

19. D. Alexander, Natural Disasters. *International Journal of Mass Emergencies and Disasters* 14 (1) (1995): 115-116.

18. F.W. Carter and D. Turnock (eds.), Environmental problems in Eastern Europe. *The Professional Geographer* 46(4)(1994): 509-510.

17. G. Jacob. Site Unseen: The politics of siting a nuclear waste repository. *Environment and Planning A* 25(1) (1993): 152-153.
16. P. R. Mounfield. World Nuclear Power. *Progress in Human Geography* 17 (1) (1993): 150-51.
15. R. Berkhout. Radioactive Waste: Politics and Technology. *Environment and Planning A* 24(7) (1992): 1057.
14. A. Kirby. Nothing to Fear: Risks and Hazards in American Society. *Annals AAG* 82(2) (1992): 331-333.
13. R.I. Palm. Natural Hazards: An Integrative Framework for Research and Planning. *Annals AAG* 81(4) (1991): 701-703.
12. R.V. Bartlett (ed.). Policy Through Impact Assessment: Institutionalized Analysis as a Policy Strategy. *Growth and Change* 21(3) (1990): 80-81.
11. W. Bunge. Nuclear War Atlas. *Progress in Human Geography* 14(3) (1990): 450-51.
10. J.M. Petulla. Environmental Protection in the United States: Industries, Agencies, Environmentalists. *Growth and Change* 21(1) (1990): 80-82.
9. S. M. MacGill. Politics of Anxiety: Sellafield's Cancer-link Controversy. *Progress in Human Geography*, 13(4) (1989): 604-605.
8. D. Elsom. Atmospheric Pollution. *The Professional Geographer* 41(4) (1989): 507-508.
7. S. Openshaw, Nuclear Power. Siting and Safety. *Annals AAG*, 77(3) (1987): 497-499.
6. W. Freudenburg and E. Rosa (ed.), Public Reaction to Nuclear Power: Are there Critical Masses? *Journal of Regional Science* XX(3) (1986): 134-35.
5. D. Pepper and A. Jenkins (ed). Geography of Peace and War. *Geographical Review*, 76(4) (1986): 474-475.
4. K. Hewitt (ed.), Interpretations of Calamity. *Geographical Review* 74(2) (1984): 226-228.
3. D.L. Sills, C.P. Wolf, and V.B. Shelanski (eds.), Accident at Three Mile Island: The Human Dimensions. *Journal of Regional Science* 23(2) (1983): 273-275.
2. T. O'Riordan, Environmentalism. *The Professional Geographer* 34(4) (1982): 469-470.
1. P. Portney *et al.*, Current Issues in U.S. Environmental Policy. *The Professional Geographer* 31(3) (1979): 334-335.

## **Research Grants**

### External Funding

2014 Co-principal investigator (with M. Gall), State of the science for the global assessment of disaster risk management (GAR), United Nations Secretariat of the International Strategy for Disaster Reduction (UNISDR/UNOPS), Jan-June, \$46,978.

2013-2015 Co-Principal Investigator (with C. Emrich), E2E: Identifying and analyzing the driving forces of hurricane recovery for disaster stricken areas to improve long-term planning, UNC Chapel Hill/DHS-\$294,395

2013 Co-PI with K. Ash, Doctoral Dissertation Research Improvement: Beliefs, Attitudes, and Intended Tornado Sheltering Strategies of Mobile Home Residents, NSF-\$14,756

2013 Co-PI with R. Schumann, Doctoral Dissertation Research Improvement: The Meaning of Place Recovery on the Mississippi Coast, NSF-\$13,032

2013 Emrich, C.T. (PI), S.L. Cutter, Integrating Social Vulnerability, Medical Vulnerability, Hazard Vulnerability, and Disaster Resilience for Public Health and Medical Preparedness, Florida Department of Health – Bureau of Preparedness and Response, \$113,999.

2012-2015 Co-Principal Investigator with C. Emrich, Geospatial Risk Assessment Protocols, SC Emergency Management Division/FEMA-\$300,476

2012-2014 Co-Principal Investigator (with C. Emrich), Mapping Vulnerabilities to Create Resiliencies, Climate Central-\$100,000

2011-2012 Co-Principal Investigator (C. Emrich, PI), Identifying South Carolina's Readiness to Chemical Threats; SC Law Enforcement Division SLED/DHS - \$79,250.00

2011-2014 Principal Investigator,(C. T. Emrich and J. T. Mitchell, co-PI) DRRC: Baseline Indicators for Monitoring Disaster Resilience in Rural Places; National Science Foundation (NSF) -\$275,000

2011-2012 Co-Principal Investigator (with C. Emrich), Flood Risk Management Integrating Social Vulnerability into Multiple Lines of Defense Mitigation; Gulf Engineers and Consultants, Inc. - \$53,000.00

2011 (Feb-Sept) Co-Principal Investigator (with C. Emrich), Integrating Social Vulnerability into Climate Change Planning and Preparedness at the Local Level for MI and LA; OXFAM - \$20,000.00

2010-2011 C. Emich and S.L. Cutter (Co-PI), Enhancement of the Social Vulnerability Index (SoVI) for Use in Assessing Coastal Risk, SC Sea Grant/NOAA, \$70,000.

2010-2011 Co-PI with C. Emrich and J. T. Mitchell, CESU Cooperative Agreement between Charleston District, US Army Corps of Engineers and the University of South Carolina's Hazards and Vulnerability Research Institute (South Carolina Hurricane Evacuation Study-Behavioral Analysis), \$80,000.

2009-2012 Co-PI with C. Emrich, Geospatial Risk Assessment Support Prototype, SC Emergency Management Division, \$300,000.

2009-2010 Co-PI with B. Davis, et al. Guidance for South Carolina on Near-Term Coastal Adaptation Priorities, NOAA, \$75,000.

2009 (March-Sept) Principal Investigator, Social Vulnerability Mapping for the Southeast; USRO/Oxfam America \$40,000.00

2008-10 Co-PI with J. T. Mitchell, J. T. and S. Battersby, South Carolina Atlas of Environmental Risks and Hazards, National Geographic Society, \$49,852.

2008-09 Principal Investigator, Social Vulnerability and Place Vulnerability Analysis Methods and Application for Corps Planning, Camp, Dresser & McKee/US Army Corps of Engineers, \$22,000.

2008-11 Principal Investigator, NSF Fellowship for Eric Tate, National Science Foundation, \$121,500.

2008-10 Principal Investigator, Domestic Weapons of Mass Destruction: Potential Populations at Risk from US Chemical Facilities Releases, Center of Excellence for the Study of Terrorism and Responses to Terrorism (START), Department of Homeland Security, \$247,000.

2008-09 Principal Investigator, South Carolina Hazards Assessment Geo-Information Support (SCHAGIS), SCEMD/DHS, \$70,001.

2007-10 Principal Investigator, Contributions to the Summary of Current Knowledge about Community Resilience, Oak Ridge National Lab, \$145,000.

2007-08 Principal Investigator, South Carolina Hazards Assessment Geo-Information Support (SCHAGIS), SCEMD/DHS, \$30,075.

2007 (April-June) Principal Investigator, Social Vulnerability Mapping for the San Francisco Bay Area, The Fritz Institute, \$20,500

2007 Principal Investigator, Natural and Human-Induced Disasters and other Factors Affecting Future Emergency Response and Hazard Management: An Outlook Paper, Camp Dresser & McKee/US Army Corps of Engineers, Institute for Water Resources, \$49,254.

2007-2011 Principal Investigator, The Recovery Divide: Sociospatial Disparities in Disaster Recovery from Hurricane Katrina along Mississippi's Gulf Coast, NSF, \$719,000

2006-07 Principal Investigator, South Carolina Hazards Assessment Geo-Information Support (SCHAGIS), SCEMD/DHS, \$67,520

2006 Principal Investigator, USGS and USC Cooperative Agreement: Coastal Vulnerability Assessment Decision Support: Assisting in the Development of Social Vulnerability Methods and Indices for the Hurricane Coasts, USGS \$15,000.

2005-06 Principal Investigator, USGS and USC Cooperative Agreement: Multi-Hazard Vulnerability Assessment Decision Support, USGS \$30,000.

2005-09 Co-Principal Investigator (with Gary La Free, University of Maryland; Arie Kruglanski, University of Maryland; Jonathan Wilkenfeld, University of Maryland; Linda Bourque, University of California Los Angeles; Clarke McCauley, University of Pennsylvania; and Kathleen Tierney, University

of Colorado), Center of Excellence for the Study of Terrorism and Responses to Terrorism (START), Department of Homeland Security, \$12,000,000 total (USC portion \$1,050,000).

2004-06 Principal Investigator, South Carolina Hazards Assessment Geo-Information Support (SCHAGIS), SCEMD/DHS, \$124,020.

2004-08 Co-Principal Investigator (with John Wilson, University of Southern California), Collaborative Research: Place-Based Decision Support for Spatial and Temporal Transference of Risk and Hazards, NSF, \$453,350.

2003-10 Co-Investigator (with J. Jensen, D. Cowen, M. Hodgson, S. Cutter), Development of Remote Sensing-Assisted Natural and Technological Hazards Decision Support Systems, NASA, \$2,415,126.

2003-04 Principal Investigator, Development of Climate Indices for Vectors of West Nile Virus, SC Department of Natural Resources/ NOAA, \$50,024.

2003-04 Principal Investigator, South Carolina Hazards Assessment Geo-Information Support, South Carolina Emergency Preparedness Division, \$62,361.

2003-04 Co-Investigator (S. Cutter and B. Boruff), Measuring the Social and Biophysical Vulnerability of Small Island Nations, National Geographic Society, \$26,494.

2003 Principal Investigator, GIS Support for Livestock and Animal Health Emergencies, Clemson University/ USDA, \$14,500.

2002-03 Principal Investigator, Comparative Indicators of Hazards Vulnerability in Urban Areas, National Science Foundation, \$170,994, plus \$13,200 REU supplement.

2002-03 Principal Investigator, South Carolina Hazards Assessment Geo-Information Support, South Carolina Emergency Preparedness Division, \$58,740.

2001-02 Co-investigator (S.L. Cutter, D. A Richardson, T.J. Wilbanks). The Geographical Dimensions of Terrorism, Association of American Geographers, National Science Foundation, \$69,962.

2001-02 Principal Investigator, Assessing Repetitive Flood Losses in South Carolina, South Carolina Department of Natural Resources, \$25,430.

2001-02 Principal Investigator, South Carolina Hazards Assessment Geo-Information Support, South Carolina Emergency Preparedness Division, \$58,333.

2000-03 Co-investigator (B. Yarnal and K. Dow, Co-PI s with G. Carbone), Decision Making and Long Lead Climate Forecasts. Penn State University/NOAA, \$131,752.

2001-02 Principal Investigator, Hazardous Materials Flow Analysis, Phase III, South Carolina Emergency Preparedness Division, \$62,936.

1999-01 Co-Principal Investigator with Dennis Mileti, Historic Inequities in Disaster Losses: Identifying Disaster-Prone Places, , National Science Foundation (CMS 9905352) \$233,565.



1999-00 Principal Investigator, Hazardous Materials Flow Analysis, Phase II, South Carolina Emergency Preparedness Division, \$61,619.

1998-99 Co-Principal Investigator with J.T. Mitchell, Hazardous Materials Flow Analysis, South Carolina Emergency Preparedness Division, \$52,380.

1997-98 Co-Principal Investigator with K. Dow and M. Hodgson, Subsidized Inequities: The Spatial Patterning of Environmental Risks and Federally-Assisted Housing, US Housing and Urban Development (HUD), \$50,000.

1997 Principal Investigator, Developing a GIS-based Hazards Assessment for South Carolina Counties, South Carolina Emergency Preparedness Division/FEMA, \$15,000.

1997

1996-98 Principal Investigator. South Carolina Atlas of Risk. South Carolina Universities Research and Education Foundation (SCUREF), \$91,500.

1995-97 Team Member. Mentoring the Next Generation of Hazards Scholars. NSF, \$175,000 (Texas A&M University, Dennis Wenger and Peter May, PIs).

1996-99 Co-investigator. Global Change in Local Places. NASA, \$750,000 (R.W. Kates and T. Wilbanks, PIs, Assn. of American Geographers). Responsible for Module 3: Mitigation and Adaptation.

1995-96 Principal Investigator. Measuring Environmental Equity in South Carolina. South Carolina Universities Research and Education Foundation (SCUREF), \$33,982.

1994-96 Co-Principal Investigator (with Daniel F. Wagner). Relative risk profiles: a methodology for assessing community risk. South Carolina Universities Research and Education Foundation (SCUREF), \$118,060.

1990-92 Co-Principal Investigator (with J. Tiefenbacher). Doctoral dissertation in geography and regional science: Pesticide drift exposure in suburbanized agricultural areas: a hazards of place approach. National Science Foundation. \$3,421. (SES 9014705)

1988-90 Principal Investigator. Toxic Risksapes: The Geography of Acute Airborne Releases. National Geographic Society. \$40,000.

1989 Principal Investigator. State Litter Survey and Geographical Analysis. New Jersey Department of Environmental Protection. \$50,000.

1988-89 Co-Principal Investigator (with Michael Siegel). Radiological Emergency Response Plan Cartography Project. New Jersey State Police \$11,500.

1987-88 Co-Principal Investigator (with J. Regulska). Geography, Foreign Languages, and Area Studies: An Integrated Approach to Global Understanding. New Jersey Department of Higher Education. \$37,195.

1987 Principal Investigator. Radiological Emergency Response Plan Cartography Project. New Jersey State Police. \$20,000.

1986-87 Principal Investigator. Assessing Population Vulnerability and Risk from Acute Toxic Releases. Institute for Hazardous and Toxic Waste Management, New Jersey Institute of Technology. \$10,000.

1986-87 Co-Principal Investigator (with J. Regulska). Fostering Global Thinking: A Model Instructional Program. New Jersey Department of Higher Education. \$16,050.

1985-86 Co-Principal Investigator (with J. Regulska). Fostering Global Thinking: Geographic Background to Current World Affairs. New Jersey Department of Higher Education. \$9,063.

1985-86 Principal Investigator. Emergency Response Planning for Offsite Releases of Hazardous Substances. Institute for Hazardous and Toxic Waste Management, New Jersey Institute of Technology. \$8,925.

1985-87 Co-Principal Investigator (with J. Ehrenfeld). Interactions between vegetation and visitors in the Fire Island National Seashore Wilderness. U.S. National Park Service-CRU. \$63,665.

### Internal Funding

2005 Co-Principal Investigator (with Jerry T. Mitchell and Bryan Boruff), Predicted Versus Observed Social Vulnerability of Coastal Residents: Hurricane Katrina Impacts in Mississippi and Alabama, USC Research Foundation, \$25,000.

2003-2004 Co-Investigator (with M. Fletcher and W. Piegorsch). Enhancing USC's Research Capacity in Bioterrorism Threat Detection, Risk Analysis, and Response, Vice President for Research Office, University of South Carolina.

2001-02 Principal Investigator. National Digital Clearinghouse for Hazard Event and Loss Data, Vice President for Research Office, University of South Carolina.

1982-84 Principal Investigator. Emergency Preparedness and Planning for Radiological Emergencies. New Jersey State Agricultural Experiment Station, Project No. 26410.

1982 Principal Investigator. Three Mile Island: Risk Assessment and Coping Responses of the Local Residents. Center for Coastal and Environmental Studies, Rutgers University.

1978-80 Principal Investigator. Community Response to Pollution Abatement Strategies. New Jersey State Agricultural Experiment Station, Project No. 17408.

1979-80 Co-principal Investigator (with K.F. Nordstrom). Social and Environmental Factors Influencing Beach Recreation in Urban Parks. New Jersey State Agricultural Experiment Station, Project No. 17411.

1979-80 Co-principal Investigator (with J.K. Mitchell). Three Mile Island: Responses to Environmental Hazard. New Jersey State Agricultural Experiment Station and Department of Environmental Resources, Rutgers University.

### **Editorships**

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

- 2014-17 Editorial Board, *Annals of the Association of American Geographers* (Taylor & Francis)
- 2013- Advisory Board, *Journal of Extreme Events* (World Scientific)
- 2012- Editorial Board, *Challenges in Sustainability* (Librello)
- 2011- Editorial Board, *Natural Hazards* (Springer)
- 2011- Editorial Board, *International Journal of Disaster Risk Reduction* (Elsevier)
- 2008- Associate Editor, *Weather, Climate, and Society* (AMS Publications)
- 2008- Executive Editor, *Environment: Science and policy for Sustainable Development* (Taylor and Francis)
- 2008- Editorial Board, *Journal of Homeland Security and Emergency Management* (De Gruyter)
- 2007-08 Board of Contributing Editors, *Environment* (Heldref Publications)
- 2006-09 Editorial Board, *Annals of the Association of American Geographers*
- 1998-03 Founding Editor, *Environmental Hazards* (Elsevier Publishers)
- 2002-13 Editorial Board, *Environmental Sciences: Journal of Integrative Environmental Research*
- 2000-06 Editorial Board, *The South Carolina Encyclopedia*
- 1996-04 Editorial Board, *The Southeastern Geographer*.
- 1996-99 Editorial Board, *Applied Geographic Studies*.
- 1994-97 Editorial Board, *The Professional Geographer*.
- 1990-92 Founding Book Review Editor, *Global Environmental Change*, Butterworths/Elsevier.
- 1987-93 Contributing Editor, *Focus*, American Geographical Society.
- 1990-92 Editorial Board, *Geographical Snapshots of North America*. International Geographical Congress.
- 1989-91 Editorial Board, AAG Resource Publications.
- 1986-88 Associate Editor, *Journal of Leisure Sciences* Crane, Russak & Co.
- 1978-83 Co-editor, *Women in Geography Newsletter*. Publication of the AAG Committee on the Status of Women in Geography (CSWG).

### **Professional Presentations (Since 2000)**

#### **2014**

Emrich, C. T., and S. L. Cutter, 2014. E2E Project: Identifying and analyzing the driving forces of hurricane recovery for disaster stricken areas to improve long-term planning. CHC-R 6<sup>th</sup> Annual Meeting, January 13-14, Chapel Hill, NC.

Cutter, S. L., 2014. Recovery planning: where to begin, what to measure? SCEMD Annual Recovery Workshop. February 5, West Columbia, SC. **Invited**

Cutter, S. L., 2014. Planning for resilience: The need for pre-impact baseline information. The Role of Science in Good Enough Disaster Management, International Workshop, UKCDS, Universidad de la Salle, Research Councils UK, UK Science & Innovation Network, February 24-26, Bogotá, Colombia. **Invited**

Cutter, S. L., 2014. Keynote: Assessing community resilience: What matters and where do you start?, Building Resilience Workshop V, March 12-14, New Orleans, LA. **Invited**

Cutter, S.L., 2014. Reversing the hazard loss escalator by building disaster resilience. Distinctive Voices Lecture, National Academy of Sciences, May 28, Irvine, CA. **Invited**

Emrich, C.T., W. Chen, B. L. Hummel, C. Guillard-Gonçalves, and S.L. Cutter, 2014. Validation of the Social Vulnerability Index in a Cross-National Context, IRDR Conference-Integrated Disaster Risk Science: A Tool for Sustainability, June 7-9, Beijing, China.

Cutter, S. L., C. T. Emrich, J. T. Mitchell, M. M. Smith, and L. Weber, 2014. Hurricane Katrina and the forgotten coast of Mississippi, IRDR Conference-Integrated Disaster Risk Science: A Tool for Sustainability, June 7-9, Beijing, China.

Cutter, S. L., 2014. Social vulnerability, resilience, and disaster risk. GEM Panel, 2014 Understanding Risk Forum, July 1-4, London, UK. **Invited**

Cutter, S. L., 2014. Need for harmonization of disaster loss and damage data. 2<sup>nd</sup> WMO User Workshop, 2014 Understanding Risk Forum, July 1-4, London, UK. **Invited**

Cutter, S.L., 2014. Hurricane Katrina and the forgotten coast of Mississippi. Norwegian University of Science and Technology, August 21, Trondheim, Norway. **Invited**

Cutter, S.L., 2014. Keynote: The landscape of resilience measures. Workshop on Measures of Community Resilience, Resilient America Roundtable, National Academies, September 5, Washington D.C. **Invited**

Cutter, S.L. In harm's way: Why more knowledge is not reducing natural hazard losses. Gilbert F. White Lecture in the Geographical Sciences, National Research Council/National Academies, December 4, Washington D.C. **Invited**

Tierney, K. and S. L. Cutter, 2014. Keynote: Disaster risk and the social order: Differential exposures, impacts, and recovery. Society for Risk Analysis Annual Meeting, December 8-10, Denver, CO. **Invited**

### **2013**

Cutter, S.L., 2013. "Social vulnerability analysis: Background to concept and measurement," Multihazard Mitigation Council Symposium, Washington D.C., January 8, 2013 (Invited).

Cutter, S. L., 2013. panelist, Plenary 7: Building Resilient Communities, Disasters and Environment, 13th National Conference on Science, Policy and the Environment, Washington, D.C., January 17, 2013 (Invited).

Cutter, S. L., 2013. panelist, Resilience and Sustainability: A Transdisciplinary Symposium (USEPA, NSF, NCSE, Dow Chemical Company), Washington D.C., January 14, 2013 (Invited).

Cutter, S. L., 2013. Disaster resilience: A national imperative, EMForum.org webinar <http://www.emforum.org/vforum/lc130123.htm>, January 23, 2013 (Invited).

Cutter, S. L. 2013. panelist, Resilience Planning, Earthquake Engineering Research Institute (EERI) Annual meeting, Seattle, WA, February 13, 2013 (Invited).

Cutter, S. L. 2013. Disaster resilience: A national imperative, Association of American Geographers Annual Meeting, April 9, 2013 (Volunteered).

Cutter, S. L., 2013. Social vulnerability analysis: Background to concept and measurement, Seminario y Taller Internacional Desastres Socionaturales, Facultad de Arquitectura y Urbanismo, Universidad de Chile, Santiago, Chile, April 25-26, 2013 (Invited).

Cutter, S. L., 2013. Identifying and analyzing the driving forces of hurricane recovery for disaster stricken areas to improve long-term planning. New Jersey Joint Field Office, Hurricane Sandy (DR4086), Lincroft, NJ, April 30, 2013 (Invited).

Cutter, S.L., 2013. Flood disaster recovery: The experience from Mississippi's Gulf Coast and the New Jersey Shore, IIHR Hydroscience & Engineering, University of Iowa, Iowa City, IA, May 30, 2013 (Invited).

Cutter, S. L., 2013. Disaster resilience: A local to national imperative, Five Years Out: Ongoing Impacts of the 2008 Iowa floods conference, Cedar Rapids, IA, May 31, 2013 (Invited).

Cutter, S. L. 2013. Social Vulnerability Index. acatech Workshop, Resilience—the International Perspective, Berlin, Germany, May 15-16, 2013 (Invited).

Cutter, S. L., 2013. Social Vulnerability Index and community resilience, acatech Workshop, Resilience—the International Perspective, Berlin, Germany, May 15-16, 2013 (Invited).

Schumann, R.L., Morath, D.P., Cutter, S.L., and C.T. Emrich. 2013. Extending the Recovery Divide: Long-Term Trends and Local Perspectives in Post-Katrina Mississippi. Presented at the Annual Meeting of the International Research Committee on Disasters, Broomfield, CO, July 17-18, 2013 (Volunteered).

Cutter, S.L., 2013. Building disaster resilience: steps toward sustainability, Fourth Conference on Community Resilience, Davos, Switzerland, August 28-30, 2013 (Invited).

Cutter, S. L., 2013. Social vulnerability metrics, Social Vulnerability Metrics in Risk Modeling Workshop, Wellington, New Zealand, September 17, 2013 (Invited).

Cutter, S. L., 2013. Demographic change, Hurricane Katrina and Mississippi's Gulf Coast, Demography of Disasters Conference, Australian National University, Canberra, Australia, September 18-20, 2013 (Invited).

Cutter, S. L., 2013. The natural hazard loss datascape: Issues, constraints, opportunities. IRDR China Conference, Sanya, China, November 15, 2013 (Invited).

## **2012**

Cutter, S. L., 2012. "Moving from Hazard Vulnerability to Disaster Resilience: The Experience from Mississippi's Gulf Coast," Ralph H. Brown Memorial Lecture, Department of Geography, University of Minnesota, Minneapolis, MS, April 27, 2012 (Invited).

Cutter, S. L. 2012. "The Unsustainable Trend in Natural Hazard Losses," AGU Science Policy

Conference, Washington, D.C., May 2, 2012 (Invited).

Cutter, S. L., Gerry Galloway, Ellis M. Stanley, and Monica Schoch-Spana, 2012. "Disasters and Community Resilience: National Research Council Findings and Guidance," Natural Hazards Annual Workshop, Broomfield, CO, July 16, 2012 (Invited).

Cutter, S.L., 2012. "Social Vulnerability Analysis: Background to Concept and Measurement," NATO Civil Protection Group Seminar, Washington D.C., September 4, 2012 (Invited).

Cutter, S.L., 2012. "Building Resilience in the Context of Climate Change Adaptation," MunichRe Keystone Conference, Bonn: Germany, October 8, 2012 (Invited).

Cutter, S. L., 2012. "Moving from Hazard Vulnerability to Disaster Resilience: The Experience from Mississippi's Gulf Coast," Center for Development Research (Zentrum für Entwicklungsforschung, ZEF), United Nations University, Bonn: Germany, October 11, 2012 (Invited).

## **2011**

Cutter, S.L., 2011. "Hazards, vulnerability, and risk," IRDR Conference 2011: Disaster Risk: Integrating Science & Practice, Beijing, China, October 31-November 2, (**Invited Plenary**).

Cutter, S. L., 2011. "Assessment of integrated research on disaster risk (AIRDR)," IRDR Conference 2011: Disaster Risk: Integrating Science & Practice, Beijing, China October 31-November 2, 2011 (**Invited**).

Cutter, S.L., 2011. "Disaster resilience: What we know, what we need to know," Second Conference on Community Resilience, Virginia Tech Research Center, Arlington, VA, September 19, 2011, (**Invited**).

Cutter, S.L., 2011. "How people react to hazards," NSF Research Expo and Showcase of NSF-Funded Research (Hart Senate Office Building), Washington, D.C., September 6-7, 2011 (**Invited**).

Cutter, S.L., 2011. "Societal impacts of climate sensitive hazards," NCDC Workshop, Asheville, NC, July 25, 2011 (**Invited**).

Cutter, S.L., 2011. "Social science perspectives on disaster resilience," NSF Workshop for Cross-Disciplinary Program for Disaster Resilience, Vulnerability, and Risk Reduction, Arlington, VA, June 1, 2011 (**Invited**).

Ash, K., S. L. Cutter, C. Emrich, and J. Webb, 2011. "Geographic variability of the relative direct economic impacts of natural hazards in the United States," Association of American Geographers Annual Meeting, Seattle, WA, April 2011.

Koylu, C., S. L. Cutter, and C. T. Emrich, 2011. "A spatial knowledge discovery approach to analyzing regional variability of security threats in the United States," Association of American Geographers Annual Meeting, Seattle, WA, April 2011.

Cutter, S. L., 2011. "Social change, vulnerability, and community resilience," Environmental Defense Fund's Science Day, Sausalito, CA, February 10, 2011 (**Invited**).

## **2010**

Cutter, S. L., 2010. "Vulnerability science: models, methods, and indicators," International Conference on Risk, Vulnerability, and Territory, Coimbra, Portugal (Centre for Social Studies, Risk Observatory, University of Coimbra), October 2010 (**Invited**).

Wood, N. J., C. Burton, and S. L. Cutter, 2010. "Modeling demographic sensitivity to tsunami hazards in the Pacific Northwest using GIS-enabled factor analysis", 3<sup>rd</sup> USGS Modeling Conference: Understanding and Predicting for a Changing World, June 8-10, Denver, CO.

Cutter, S. L., 2010. "Reducing social vulnerability and enhancing disaster resilience", US-Taiwan Workshop on Mega-City/Mega Disaster Reduction, Taipei, Taiwan, May 6-7, 2010 (**Invited**).

Cutter, S. L., 2010. "Mapping Hazards Vulnerability", Direct Relief International, Santa Barbara, CA February 19, 2010 (**Invited**).

## **2009**

Cutter, S. L., 2009. "The Social Burdens of Natural Hazard Losses," American Geophysical Union, San Francisco, December 2009 (**Invited**).

Battersby, S. L., J. T. Mitchell, and S. L. Cutter, 2009. "Developing an Online South Carolina Atlas of Environmental Risks and Hazards," International Cartographic Convention (ICC), Santiago, Chile, November 2009.

Cutter, S. L. 2009. "Recent Research on Disaster Resilience and Vulnerability Indicators," Research Triangle Institute (RTI) Fellows Symposium, Chapel Hill, NC, November 2009 (**Invited**).

Emrich, C. and S. L. Cutter, 2009. "Assessing Social Vulnerability to Climate Change Hazards," Oxfam US, Washington D.C., October 2009 (**Invited**).

Cutter, S. L., 2009. "Recent Research on Resilience and Vulnerability Indicators," NOAA Coastal Services Center, Charleston, SC, August 2009 (**Invited**).

Cutter, S. L. 2009. "Deaths, Dollars, and Destruction: Societal Impacts of the 'Hot Hazards'", AGU/National Fire Protection Association Congressional Briefing. Washington, D.C., July 2009 (**Invited**).

Cutter, S.L., C. Emrich, and C. G. Burton, 2009. "Baseline Indicators for Disaster Resilient Communities," Natural Hazards Workshop, Broomfield, CO, July 2009 (**Invited**).

Cutter, S. L. 2009. "Environmental Hazards in South Carolina and Beyond," USC Arts & Sciences Alumni/Friends Weekend at the Coast Fireside Chat, Georgetown, SC, June 2009 (**Invited**).

Cutter, S. L. 2009. "Living with Risk: Improvements in Social Indicators," Climate Change Science Program (CCSP) Workshop, Washington D.C., April 2009 (**Invited**).

Webb, J. and S. L. Cutter, 2009. "Changing Geographies of Terrorism in the United States 1970-2004," Annual Meeting AAG, Las Vegas, NV, March 2009.

Cutter, S. L., 2009. "Social Vulnerability Metrics and Mapping," Living with Floods Conference, Iowa City, IA, March 2009 (**Invited**).

Cutter, S. L., 2009. "Social Vulnerability and Inequalities in Disaster Recovery," Risk and Planet Earth Conference, Leipzig, Germany, February 2009 (**Invited**).

Cutter, S. L. 2009. "Measuring and Mapping Social Vulnerability," Cities at Risk Conference, Bangkok, Thailand, February 2009 (**Invited**).

## **2008**

Cutter, S. L., 2008. "Disaster Research and Public Policy," COSSA Presidential Address, Washington D.C., November 2008 (**Invited**).

J. T. Mitchell, G. Melton, M. Gall, and S. Cutter, 2008. "Hurricane Katrina Surge Delineation." National Conference on Geograph Education, Dearborn, MI, October 2008.

Cutter, S. L., 2008. "Coastal Vulnerability and Resiliency," Sustainable Management of Deltaic Ecosystems Conference, Louisiana State University, August 2008 (**Invited**).

Cutter, S. L., 2008. "Dangerous Times, Dangerous Places," Florida Environmental Health Association, West Palm Beach, FL, August 2008 (**Invited**).

Cutter, S. L., 2008. "The Recovery Divide: Hurricane Katrina and Mississippi's Gulf Coast," Plenary, Natural Hazards Workshop, Bloomfield, CO, July 2008 (**Invited**).

Cutter, S. L., 2008. "Domestic Weapons of Mass Destruction: Potential Populations at Risk from U.S. Chemical Facilities Releases," DHS Workshop on Community Resilience, Crystal City, VA, June 2008 (**Invited**).

Cutter, S. L., 2008. "NHVRON: Perspectives on Research Directions from the Geographical Sciences", NSF Workshop, Texas A&M University, College Station, TX, June 2008 (**Invited**).

Cutter, S. L. 2008. "Geographic Perspectives on Environmental Inequities", Princeton Environmental Justice Conference, Princeton University, April 2008 (**Invited**).

Cutter, S. L. 2008. "Social Vulnerability and Seismic Risks: A Spatial Perspective," National Earthquake Conference, Seattle, WA, April 2008 (**Invited**).

Cutter, S. L. 2008. "Perspectives from Hazards, Disasters, and Emergency Management," Association of American Geographers, Boston, MA, April 2008.

Cutter, S. L. 2008. "The Geography of Environmental Hazards and Vulnerability", Norwegian Geographical Society Conference, Trondheim, Norway, March 2008 (**Invited**).

## **2007**

Cutter, S. L., "The Social Vulnerability Index: Scoring Bay Area Counties," Building a Community of Preparedness Conference, Fritz Institute, San Francisco, CA, December 2007 (**Invited**).



Cutter, S. L., “Coastal Inundation: Emergency Management Challenges in Protecting People from Harm,” NRC Board on Earth Sciences and Resources Roundtable: Impacts of Coastal Inundation, Irvine, CA, November 2007 **(Invited)**.

Cutter, S. L. and M. Gall, “The U.S. Hazardscape and Implications for the Corps,” Provocation Session for the US Army Corps of Engineers, Institute for Water Resources, Washington D.C., October 2007 **(Invited)**.

Cutter, S. L., “Who Counts as a Disaster Expert?”, Panelist Natural Hazards Annual Workshop, Boulder, CO, July 2007 **(Invited)**.

Cutter, S. L. and M. Gall, “The Geography of Disaster Losses,” National Climatic Data Center, Asheville, NC, July 2007 **(Invited)**.

Cutter, S. L., “The Social Vulnerability Index,” Annual Meeting of START investigators, College Park, MD, June 2007 **(Invited)**.

Cutter, S. L. and C. Burton, “Social Vulnerability to Levee Failures in the Sacramento-San Joaquin Delta,” Association of American Geographers Annual Meeting, San Francisco, CA, April 2007.

Finch, C. and S. L. Cutter, “Social Vulnerability and Disaster Recovery in New Orleans,” Disaster and Migration Conference, Tulane University, New Orleans, LA, April 2007 **(Invited)**.

Cutter, S. L. “Coastal Pressures,” Disaster Roundtable, Protecting Lives and Property at Our Coastlines, National Academies, Washington D. C., March 2007 **(Invited)**.

Cutter, S. L. “The Social Vulnerability Index: A County-Level Assessment of Communities and Implications for Preparedness Planning,” DHS University Network Summit on Research and Education, Washington D.C., March 2007 **(Invited)**.

Cutter, S. L. “The Geography of Disaster Losses,” Plenary Speaker, Coastal GeoTools, Myrtle Beach, SC, March 2007 **(Invited)**.

Cutter, S. L., M. Fletcher, C. Mock, J. Rose, J. Shafer, W. Piegorsch, R. Deutsch, M. Schmidlein, J. Wilson, T. Jordan, J. Swift, Z. Tatalovich, “Poster: Place-Based Support for Spatial and Temporal Transference of Risk and Hazards,” NSF FY 2008 Budget Open House, Arlington, VA, February 2007 **(Invited)**.

Cutter, S. L. “Vulnerability to Natural Hazards: Who, Where, and Why?,” Edward J. Taaffe Colloquium, The Ohio State University, Columbus, OH, January 2007 **(Invited)**

## **2006**

Cutter, S. L. “The Social and Economic Implications of Coastal Hazards: Who’s Vulnerable and Why?” The Nation’s Coasts: A Vision and Action Agenda for the Future, Southeast Regional Meeting, The Heinz Center and The Center for Humans & Nature. Mepkin Abbey, SC, December 2006 **(Invited)**

Cutter, S. L. “The Social and Economic Implications of Coastal Hazards: Are We Prepared?” The Nation’s Coasts: A Vision and Action Agenda for the Future, Southeast Regional Meeting, The Heinz Center and The Center for Humans & Nature. Charleston, SC, December 2006 **(Invited)**

Cutter, S.L. “Coastal Vulnerability and Resiliency”, NOAA Coastal Services Center, Charleston, SC, November 2006 **(Invited)**.

Cutter, S. L. “How Can You Reduce Societal Vulnerability When you Don’t Know Where and Why?”, National Framework for Natural Hazard Risk Reduction and Management Roundtable. Washington D.C., November 2006.

Cutter, S. L. “Hazards Vulnerability Analyses and The Social Vulnerability Index”, California Office of Emergency Services. Sacramento, CA, November 2006 **(Invited)**.

Cutter, S. L. “The Geography of Disaster Losses”, Southeastern Regulator’s Association (SERA) Meeting, Charleston, SC, October 2006 **(Invited)**

Cutter, S. L. “The Social Vulnerability Index”, California Seismic Commission, Sacramento, CA, October 2006 **(Invited)**.

Cutter, S. L. “Race, Class & Catastrophe: Social Vulnerability and the ‘Preparedness Divide’”, University of Michigan School of Public Health School wide Symposium, Katrina, Catastrophes, and Communicable Disease Calamities: Are We Prepared, Ann Arbor, MI, October 2006 **(Invited)**.

Cutter, S. L. “Coastal Vulnerability and Resiliency,” Natural Hazards Workshop, Boulder, CO, July 2006 **(Invited)**.

Cutter, S. L. “Assessing Vulnerability and the ‘Preparedness Divide’”, START Annual Meeting, College Park, MD, June 2007.

Cutter, S. L. “Dangerous Times, Dangerous Places: A Geographic Perspective on Vulnerability, Disasters, and Homeland Security,” Decade of Behavior Research Award Lecture, Rayburn Office Building, US Capitol, Washington D.C., June 2006 **(Invited)**.

Cutter, S. L. “Race, Class & Catastrophe: Hurricane Katrina Response and Recovery,” Critical Issues in America Series: Equity and the Environment: Through Hell and High Water: Learning the Lessons of Katrina. UC Santa Barbara, CA, May 2006 **(Invited)**.

Cutter, S. L., “Social Science Research Perspectives on Hurricane Science and Engineering,” National Science Board Workshop, Task Force on Hurricane Science & Engineering, Pensacola, FL, April 2006 **(Invited)**.

Cutter, S.L. “Predicted vs. Observed Social Vulnerability of Coastal Residents: Hurricane Katrina Impacts in Mississippi and Alabama”, Coastal Resiliency Information Systems Initiative for the Southeast National Summit, Columbia, SC, April 2006 **(Invited)**.

Cutter, S. L. “Vulnerability to Coastal Hazards: Natural Processes and Populations at Risk,” Center for Coastal and Watershed Studies, USGS, St. Petersburg, FL, April 2006 **(Invited)**.

Cutter, S. L. and W. G. Graf, “Hazards and Vulnerability: Towards an Integrated Science”, USGS, Reston, VA, April 2006.

Cutter, S. L., C. Emrich, J. T. Mitchell, B. J. Boruff, M. Gall, M. C. Schmidlein, C. G. Burton, and G. Melton. "Race, Class & Catastrophe: Hurricane Katrina Response and Recovery," Association of American Geographers Annual Meeting, Chicago, IL, March 2006 (**Presidential Plenary, Invited**).

Mitchell, J. T., A. Edmonds, and S. L. Cutter. "The Graniteville, South Carolina Chlorine Spill and Shadow Evacuation Behavior," Association of American Geographers Annual Meeting, Chicago, IL, March 2006.

Cutter, S. L. "Dangerous Times, Dangerous Places," Malcolm L. Comeaux Lecture, Department of Geography, Arizona State University, Tempe, AZ, February 2006 (**Invited**).

Cutter, S. L. "Preparedness and Response: Learning from Natural Disasters," Department of Homeland Security, Brown Bag Lecture, Washington D.C., February 2006 (**Invited**).

## **2005**

Cutter, S. L. "Dangerous Places, Dangerous Times: A Geographic Perspective on Homeland Security and Disaster Relief," 5<sup>th</sup> Annual Haynes Lecture, Texas A&M University, College Station, TX, November 2005. (**Invited**)

Cutter, S.L. "Dangerous Times, Dangerous Places," Pennsylvania Geographical Society, Greensburg, PA, October 2005. (**Invited**)

Cutter, S.L. 2005. Mobile Toxics: Graniteville, SC Chlorine Spill. Annual Workshop, Natural Hazards Center, Boulder, CO. July 2005.

Cutter, S. L., "Vulnerability to Coastal Hazards: Natural Processes and Populations at Risk," Closing Plenary Session, Solutions to Coastal Disasters Conference, May 2005, Charleston, SC (**Invited**)

Cutter, S. L., "Dangerous places: mapping vulnerability to hazards," Distinguished Lecture, University of Utah, April 2005 (Invited).

Cutter, S. L. "South Asian tsunami: a gendered perspective," Annual Meeting of the Association of American Geographers, Denver, CO, April 2005.

## **2004**

Cutter, S. L. "Place-based decision support for spatial and temporal transference of risk and hazards," Human and Social Dynamics FY 2005 Roll-Out Meeting, National Science Foundation, Arlington, VA, December 2004.

Cutter, S. L., "Mapping and the spatial analyses of hazards," Keynote Address, GIS for Emergency Management. Sydney, Australia, June 2004 (invited).

Cutter, S. L., "Geographic information science and disasters research," at the 40<sup>th</sup> Anniversary Conference, Disaster Research and the Social Sciences: Lessons Learned and Future Trajectories, Disaster Research Center, University of Delaware, Newark, DE, April 2004 (Invited).

Cutter, S. L., "The role of the geographical sciences in meeting the educational needs for Homeland Security," National Academies Workshop on Educational Paradigms for Homeland Security,

Washington D. C., April 2004 (Invited).

Boruff, B. J. and S. L. Cutter, "SHELDUS: Spatial Hazard Events and Losses Database for the United States," Centennial Meeting of the Association of American Geographers, Philadelphia, PA, March 2004.

Cutter, S. L., "Use of geographic information technologies in response to September 11<sup>th</sup>: Lessons learned," NSF Media Briefing, Beyond September 11<sup>th</sup>: An account of post-disaster research," Arlington, VA, February 23, 2004 (Invited).

### **2003**

Cutter, S. L., "Historic inequities in natural disaster losses," Trewartha Lecture, Department of Geography, University of Wisconsin, May 2, 2003 (Invited).

Emrich, C. T., B. Boruff, and S. L. Cutter, "Where two sides meet: The assessment and analysis of place vulnerability for coastal counties of the United States," South Carolina Academy of Sciences, Clemson, SC, March 21, 2003.

### **2002**

Boruff, B., S. L. Cutter, and C. Emrich, "Historic assessment of the socio-economic vulnerability of United States coastal counties," Vulnerability Assessment Techniques III Workshop (NOAA sponsored), Wildey, St. Michael, Barbados, December 2002.

Cutter, S. L., "GI Science, disasters, and emergency management," Invited Paper, GIScience 2002 meeting, Boulder, CO, September 27, 2002.

Mitchell, J. T., S. Cutter, M. Baker, A. Hill, and S. Jones, "Transitory trouble: Inter- and intra-state hazardous materials flows in South Carolina," Annual Meeting of the Middle States Division of the Association of American Geographers, Upper Montclair, NJ, October 2002.

Carbone, G., K. Dow, B. Yarnal, R. O'Connor, and S. Cutter. "Communicating drought severity with seasonal forecasts." Poster presentation at Human Dimensions of Global Change Research Program (HDGC) Principal Investigator's (PI) meeting, Seabrook Island, SC, October 24, 2002.

Dow, K., G. Carbone, S. Cutter, B. Yarnal, and R. O'Connor, "Water managers' confidence in weather and climate forecasts," Human Dimensions of Global Change Research Program (HDGC) Principal Investigator's (PI) meeting, Seabrook Island, SC, October 24, 2002.

Cutter, S. L., "The vulnerability of science and the science of vulnerability," Presidential Address, Association of American Geographers Annual Meeting, Los Angeles, CA, March 2002.

Dow, K., R. E. O'Connor, G. J. Carbone, B. Yarnal, R. Bord, C. Jocoy, and S. L. Cutter, "Water Managers' Confidence in Weather and Climate Forecasts," Annual Meeting of the Association of American Geographers. Los Angeles, CA 19-23 March, 2002.

Cutter, S. L., "Evacuation", invited paper to "Countering terrorism: lessons learned from the natural and technological disasters research" sponsored by the Natural Disasters Roundtable, National Research Council, Washington D.C., February 28-March 1, 2002.

Cutter, S. L., "Geographical dimensions of environmental inequities", invited lecture to USEPA's

Science Advisory Board Staff, Washington D.C., February 2002.

Cutter, S. L., M.Hodgson, S. Jones, M. Gutekunst, and D.S.K. Thomas, "Pilot Study: role of geographic information in response to September 11<sup>th</sup>, Workshop on the Geographical Dimensions of Terrorism, Association of American Geographers, Washington D.C., January 24-26, 2002.

## **2001**

Cutter, S. L., D.S.K. Thomas, M. Hodgson, M. Gutekunst, S. Jones, "Use of geographic information technology in responding to the September 11 terrorist attack," invited paper for the Learning from Urban Disasters: National Science Foundation Response and Opportunities for Future Research Workshop, New York City, NY, December 12-13, 2001.

Dow, K., S.L. Cutter, G.J. Carbone. B. Yarnal. R. O'Connor, D. Bord, "The Potential of Long-Lead Climate Forecasts to Reduce Local Vulnerability to Variations in Interseasonal Climate," Fourth Open Meeting of the Human Dimensions of Global Environmental Change Research Community in Rio de Janeiro, Brazil, October 6-8, 2001.

Cutter, S. L., "American Hazardscapes", 19<sup>th</sup> Annual Allison and Reginald Golledge Distinguished Lecture, University of California, Santa Barbara, CA, May 3, 2001.

Cutter, S.L., "American hazardscapes and historic inequities in disaster losses: identifying disaster-prone places", 26<sup>th</sup> Annual Hazards Research and Applications Workshop, Boulder, CO, July 18, 2001.

Boruff, B. and S.L. Cutter, "Development of a social vulnerability index for the United States with an application on Atlantic and Gulf Coast regions, Vulnerability Assessment Techniques II Workshop, NOAA Coastal Service Center, Charleston, SC, August 13-15, 2001.

Cutter, S.L., "Conducting county-level hazards assessments", South Carolina Emergency Management Conference, Columbia, SC, October 16-18, 2001.

Mitchell, J. T., D. Thomas, and S. Cutter, 2001. "Regional Hazard Loss Trends in the United States, 1975-1998," Annual Meeting of the Association of American Geographers, New York City, NY, March 2001.

Cutter, S.L., "American Hazardscapes", Keynote Address, Wisconsin Geographical Society Annual Meeting, Green Bay, WI, October 19, 2001 and 32<sup>nd</sup> Annual South Dakota State Geography Convention, Brookings, SD, March 2001.

## **2000**

S.L. Cutter, 2000. "Hazards assessment," South Carolina Emergency Management Conference, Greenville, SC, October.

S.L. Cutter, 2000. "American hazardscapes", Middle Atlantic Division AAG, Washington D.C. (October), East Lakes/West Lakes Division AAG, Miami, OH (October), Southwest Division AAG, College Station, TX (November), Southeast Division AAG, Chapel Hill, NC (November).

S.L. Cutter, 2000. "Environmental justice: lessons for natural hazards from the tech hazards community," 25<sup>th</sup> Annual Hazards Research and Applications Workshop, Boulder, CO, July.

K. Dow and S.L. Cutter, 2000. "Sizing up Floyd: South Carolinian's evacuation decisions," paper presented at the In the Aftermath of Hurricane Floyd: Recovery in the Coastal Plan Conference. East Carolina University, Greenville, NC, May.

S.L. Cutter and K. Dow, 2000. "Fleeing from Floyd: South Carolina's Experience", Paper presented at the National Hurricane Conference. New Orleans, LA. April.

S.L. Cutter, 2000. Invited panelist, "Science, Policy, and Public Interests: Lessons for Geographers from Recent Environmental Hazards Initiatives" and "Geography as an Integrative Discipline". Association of American Geographers annual meeting. Pittsburgh, PA. April.

S.L. Cutter, 2000. "Fleeing from Harm: South Carolina's Experience with Hurricane Floyd", invited luncheon speaker, South Carolina Hurricane Conference 2000, Hilton Head, SC. March.

### **Professional Activity**

#### *National Research Council/NAS*

- 2013- 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*

- 2013-14 Appointed review editor, IPCC Fifth Assessment Report, Working Group II Chapter 13, Livelihoods and Poverty
- 2012- 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- 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.

### **Conferences Organized**

- 2013 Organizing Committee, 13th National Conference on Science, Policy and the Environment, Building Resilient Communities, Disasters and Environment, Washington, D.C., January 14-17, 2013.
- 2007 Organizer, Disaster Reduction Theory and Practice Workshop, Sponsored by the National Science Foundation, Columbia, SC., May 2007.
- 2002 Organizer and moderator, “Application of geographic information science to homeland security”, UCGIS Congressional Breakfast, Washington D.C., February.
- 1995 Appointed as Program Chair 1996 Annual Meetings of the AAG, Charlotte, NC
- 1992 Organizer. Douglass College Spring Colloquium, The Human Dimensions of Global Environmental Change. New Brunswick, NJ.
- 1989 Appointed Member, Program Committee. AAG Annual Meeting, Baltimore, MD.
- 1987 Organizer with J. Regulaska. Conference on Geographical Foundations for International Education. New Brunswick, NJ.
- 1984 Appointed Member, Program Committee. AAG Annual Meeting, Washington D.C.
- 1983 Program Chair, Annual Meeting, Middle States Division, Association of American Geographers, West Point, NY.
- 1982 Program Chair, Annual Meeting, Middle States Division, Association of American Geographers, Montclair, NJ.
- 1982 Member, Ad Hoc Organizing Committee, Conference on The Nuclear Arms Race: Security and Survival, Rutgers University.
- 1979 Appointed Member, Local Arrangements Committee, AAG Annual Meeting, Philadelphia, PA.
- 1978 Organizer, Research Seminar Series on Environmental Management, Cook College, Rutgers University.

### **Invited University Lectures**

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|--|--------------------------------|
| Norwegian University of Science and Technology, 2014 |                                |
| Vietnam National University, 2010                    | University of Minnesota, 2012  |
| Florida International University, 2008               | UC Santa Barbara, 2010         |
| East Carolina University, 2008                       | UNC Greensboro, 2008           |
| Brown University, 2007                               | Ohio State University, 2007    |
| UC Santa Barbara, 2006                               | Arizona State University, 2006 |

University of Utah, 2005  
University of Texas, Dallas, 2004  
U.S. Environmental Protection Agency, 2002  
University of Southern California, 2002  
Salisbury State University, 2001  
University of Memphis, 2000  
University of Delaware, 1999  
Auburn University, 1998  
SUNY Binghamton, 1998  
University of Georgia, 1997  
Dartmouth College, 1995  
U.S. Environmental Protection Agency, 1993  
University of South Carolina, 1993  
Arizona State University, 1990  
Penn State University, 1989  
University of Idaho, 1989  
Ohio State University, 1988  
Temple University 1987  
University of Delaware, 1984  
University of Washington, 1981

Texas A&M University, 2005  
University of Southern California, 2004  
University of Wisconsin, 2003  
California State University, Fullerton, 2001  
South Dakota State University, 2001  
Penn State University, 2000  
Kansas State University, 1998  
University of Iowa, 1998  
Univ. of North Carolina, Chapel Hill, 1998  
University of Texas, 1997  
Clemson University, 1994  
University of Delaware, 1993  
Appalachian State University, 1992  
Clark University, 1990  
SUNY-Albany, 1989  
Kings College, PA, 1989  
University of Minnesota-Duluth, 1988  
SCNY Geneseo, 1986  
Columbia University, 1982  
California State University, Hayward, 1981

### **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)  
1982- Society for Risk Analysis  
1984- Research Committee on Disasters, International Sociological Association

### **Public Service**

#### **2014**

Print Interview with Susan Cutter by Eric Holdeman, How GIS can aid emergency management, November 5, 2014. *Emergency Management Magazine*  
[www.emergencymgmt.com/disaster/How-GIS-Can-Aid-Emergency-Management.html](http://www.emergencymgmt.com/disaster/How-GIS-Can-Aid-Emergency-Management.html)

#### **2013**

*Print:*

Susan L. Cutter, op ed “Preparing for the worst should be a nonpartisan issue, *The State*, August 21, 2013, p. 7

Seth Borenstein, “Report says warming is changing US daily life”, Associated Press, January 11, 2013.  
<http://bigstory.ap.org/article/federal-report-warming-changing-us-daily-life>

*Television:*

WACH Fox, Columbia, June 5, 2013, interview with Alexis King (TS Andrea preparedness)  
WOLO, Columbia, June 5, 2013, interview with Crandall Sims (preparedness)

*Radio:*

WVOC, Columbia, May 28, 2013 interview (hurricane preparedness)

**2012 Media Interviews**

*Print:*

Joey Holleman, "SC revises hurricane emergency procedures", *The State*, May 25, 2012,  
<http://www.thestate.com/2012/05/25/v-print/2289331/voluntary-no-more.html>

Robert Kittle, "Attitudes could hinder SC hurricane evacuations", Channel 7 News Spartanburg, June 1, 2012, <http://www2.wspa.com/member-center/share-this/print/?content=ar3900126>

Tim Smith and Ron Barnett, "Isaac's trek put state's hurricane plans in focus," *Greenville News*, August 31, 2012, <http://www.greenvilleonline.com/article/20120831/NEWS/308310008/Isaac-s-trek-puts-state-s-hurricane-plans-focus>

Seth Borenstein, "Hurricane Sandy megastorm: Government forecasters say projected storm sure is a "worst case scenario", Associated Press, October 28, 2012, Reprinted in Huffington Post  
[http://www.huffingtonpost.com/2012/10/28/hurricane-sandy-megastorm-worst-case-scenario\\_n\\_2035671.html](http://www.huffingtonpost.com/2012/10/28/hurricane-sandy-megastorm-worst-case-scenario_n_2035671.html)

**2011 Media Interviews**

*Print:*

Anna Mitchell, "Japanese community shocked by news of quake", *Anderson Independent Mail*, March 11, 2011, <http://www.independentmail.com/news/2011/mar/11/japanese-community-shocked-news-quake/?preventMobileRedirect=1>

Taylor Cheney, "Japanese crisis affects USC", *The Daily Gamecock*, March 14, 2011,  
<http://www.dailygamecock.com/mix/item/882-japanese-crisis-affects-usc>

Joey Holleman, "Hurricane could threaten S.C. coast," *The State*, August 23, 2011,  
<http://www.thestate.com/2011/08/23/1943138/hurricane-could-threaten-sc-coast.html>

Raven Clabough, "Hurricane Irene plagues East Coast," *New American*, August 27, 2011.  
<http://www.thenewamerican.com/tech-mainmenu-30/environment/8775-hurricane-irene-plagues-east-coast>

Seth Borenstein, "Experts praise decisions to evacuate from Irene," Associated Press, August 30, 2011.

*Radio:*

San Francisco safety compared to other spots in the U.S. , KGO Radio News, San Francisco, March 14, 2011.

**2010**

Tracking and monitoring long-term recovery, Invited presentation to the South Carolina Recovery

Taskforce, Columbia, SC, November 9, 2010 (with C. Emrich).

### **Media Interviews**

#### *Radio:*

Hurricane Katrina Five years later, WVOC-AM 560 with David Waterman, August 25, 2010.

#### *Print:*

Wayne Washington, “S.C. depending on federal money”, *The State* July 20, 2010: A1, <http://www.thestate.com/2010/07/20/1383472/disaster-response-sc-depending.html>

Joey Holleman, “USC research spotlights Gulf Coast recovery disparities.” *The State*, August 28, 2010: A8, <http://www.thestate.com/2010/08/28/1436914/usc-research-spotlights-recovery.html>

Jonathan Battaglia, “A tale of two cities.” *The Daily Gamecock*, August 30, 2010: A1.

### **2009 Media Interviews**

#### *Radio:*

Walter Edgar’s Journal, SCETV, Hurricane Hugo 20<sup>th</sup> Anniversary, September 25, 2009.

### **2008 Media Interviews**

#### *Print:*

Patrik Jonsson, , “Exodus ahead of Hurricane Gustav more thorough—but some won’t go,” *Christian Science Monitor August 31, 2008*, [Exodus ahead of hurricane Gustav more thorough - but some won't go | csmonitor.com](http://www.csmonitor.com/2008/0831/USNews/Exodus-ahead-of-hurricane-Gustav-more-thorough-but-some-won-t-go)

Stuart Glascock, “Vulnerable to terror: NYC, New Orleans and ...Boise?”, *Los Angeles Times* March 31, 2008, <http://www.latimes.com/news/nationworld/nation/la-na-boise31mar31,0,5006393,full.story>

Lyndsey Layton and Ashley Surdin, “Terrorism study drops a bombshell on Boise,” *Washington Post*, April 5, 2008, <http://www.washingtonpost.com/wp-dyn/content/article/2008/04/04/AR2008040403022.html>

*Science Daily*, “US cities at high risk for terrorist attacks identified,” March 5, 2008. <http://www.sciencedaily.com/releases/2008/03/080304092842.htm>

Katy Moeller, “Vulnerable to terrorism? Boise ranks No. 10 in US,” *Idaho Statesman*, March 7, 2008, <http://www.idahostatesman.com/newsupdates/story/316820.html>

*Forum for Global Health Protection*, “Tracking vulnerability to avert disasters,” February 12, 2008, <http://eht-forum.org/news.html?targetPage=news/fulltext/news080212120424.html&from=search>

Michael Reilly, “Map reveals US disaster hotspots,” *New Scientist*, February 12, 2008, <http://www.newscientist.com/article/dn13305>

Stefan Lovgren, “New hazard maps show most at-risk U.S. communities,” *National Geographic News*, February 12, 2008, <http://news.nationalgeographic.com/news/2008/02/080212-hazard-maps.html>

Bruce Henderson, “Natural hazard deaths high in the South,” *The State*, December 20, 2008, p. B5.

Jack Gillum, "Study tracks disasters, odds of dodging death," USA Today, December 17, 2008, [http://www.usatoday.com/news/nation/2008-12-17-death\\_N.htm](http://www.usatoday.com/news/nation/2008-12-17-death_N.htm)

Bruce Henderson, "Researchers put dying on the map," Charlotte Observer, December 20, 2008, <http://www.charlotteobserver.com/breaking/story/426595.html>

*Science Daily*, United States death map revealed, December 17, 2008, <http://www.sciencedaily.com/releases/2008/12/081216201408.htm>

Sharon Begley, "The map of death: flood, heat waves, tornadoes...", Newsweek, December 18, 2008, <http://www.blog.newsweek.com/blogs/labnotes/archive/2008/12/18/the-map-of-death-flood-heat-waves-tornadoes.aspx>

Thomas H. Maugh II and Mary Engel, "Disaster area? Southern California has it made in the shade," Los Angeles Times, December 17, 2008, <http://www.latimes.com/news/local/la-sci-hazardous17-2008dec17.0,4377172.story>

Steven Reinberg, "Nature's fury makes South most dangerous area in U.S.," HealthDay, December 17, 2008, syndicated to MSN News, Yahoo, Washington Post. <http://health.msn.com/health-topics/aging/articlepage.aspx?cp-documentid=100229545>

Jordan Lite, "Moving? Be sure to pick up a map of natural hazards in your new 'hood'," Scientific American, December 16, 2008, <http://www.sciam.com/article.cfm?id=moving-be-sure-to-pick-up-a-map-of-2008-12-16&print=true>

United Press International, "U.S. natural hazard death map is produced," December 16, 2008, [http://www.upi.com/Science\\_News/2008/12/16/US\\_natural\\_hazard\\_death\\_map\\_is\\_produced/UPI-67071229472300/](http://www.upi.com/Science_News/2008/12/16/US_natural_hazard_death_map_is_produced/UPI-67071229472300/)

Jeanna Bryner, "US death map: where and how nature kills most," December 16, 2008, Live Science, (picked up by MSNBC) <http://www.livescience.com/environment/081216-us-death-map.html>

Maggie Fox, "Death map shows heat a big hazard to Americans," Reuters, December 16, 2008, <http://www.reuters.com/article/scienceNews/idUSTRE4BG01H20081217>

Laura Sanders, "Severe heat and cold top list of deadly natural hazards," December 17, 2008, [http://www.sciencenews.org/view/generic/id/39376/title/Severe\\_heat\\_and\\_cold\\_top\\_list\\_of\\_deadly\\_natural\\_hazards](http://www.sciencenews.org/view/generic/id/39376/title/Severe_heat_and_cold_top_list_of_deadly_natural_hazards)

*Radio:*

Jim Edwards, FOX-Net, West Palm Beach, FL, December 17, 2008 (death map research)

Keven Casey, KTRH, Houston, December 17, 2008 (death map research)

Andy Flick, C&N Radio, December 18, 2008 (death map research)

Harry Dank, CBS News, December 18, 2008 (death map research)

Steve Julian, KPCC (NPR), Los Angeles, December 17, 2008 (death map research)

Sabrina Faher, WRUS, Gainesville, FL, December 17, 2008 (death map research)

Mike McConnell, WLW, Cincinnati, December 17, 2008 (death map research)

*Television:*

WIS Interview with K. Borden, December 18, 2008 (death map research)  
Logan Smith, "USC geographers create United States 'death map', December 17, 2008,  
[http://www.wistv.com/Global/story.asp?S=9541963&nav=menu36\\_13](http://www.wistv.com/Global/story.asp?S=9541963&nav=menu36_13)

*Other:*

All Points Blog Podcast, "Two newsworthy maps, one gets all the glory," February 19, 2008,  
<http://apb.directionsmag.com/archives/3958-Podcast-Two-Newsworthy-Maps-One-Gets-All-the-Glory.html>

**2007**

Invited Talk, Central Carolina Chapter of Mensa, "Hazard Vulnerability and Disaster Policy", West Columbia, SC, February 2007.

Invited Talk, McNair Scholars Association, The Tea and Grits Lecture Series, "Disasters and Disaster Losses: South Carolina and Beyond," USC, Columbia, SC, October 2007.

Feature story in *Breakthrough*, magazine of the USC Research and Health Sciences, "The aftermath of catastrophe," Fall 2007, pp. 14-16.

**2006 Media Interviews**

*Print:*

Cain Burdeau, Associated Press, MSNBC.com, "Hurricanes shape new natural order", January 30, 2006,  
<http://www.msnbc.com/id/11098461.print/1/displaymode/1098/>

Josh Schollmeyer, *Bulletin of the Atomic Scientists*, January 24, 2006 (Geographical dimensions of terrorism, professional ethics)

Thomas Hargrove, Scripps Howard News Service, April 11, 2006 (Presidential disaster declarations)

Kristi Eaton, Arizona State, *The State Press*, "Researcher: U.S. Needs Better Plan for Disasters",  
February 17, 2006: p. 1.

Neil Hopwood, *Darlington Press*, June 22, 2006 (emergency preparedness)

Amanda Ripley, Time Magazine, "Floods, Tornadoes, Hurricanes, Wildfires, Earthquakes... Why We Don't Prepare", August 20, 2006 (provide risk estimates)

<http://www.time.com/time/magazine/printout/0,8816,1229102,00.html>

Gil Klein, Media General News Service, "Homeland security goes to college", August 24, 2006 (how 9-11 affect USC)

McKenzie Taylor, Florence Morning News, August 17, 2006 (terrorism and effects in South Carolina)

Clayton Collins, Christian Science Monitor, "Extinction of an American icon," November 2, 2006  
(plastic pink flamingos)

*Radio:*

KGO Radio, May 1, 2005 (Mayor Nagin's preparedness plan)

Fox News Morning Program, May 10, 2006 (Tornado versus hurricane aid)

*Television:*

Jack Kinsey, WIS-TV, August 11, 2006, on-air interview about terrorism & vulnerabilities

*Other:*

On camera interview for Evacuation Planning training video by Oak Ridge National Laboratory and Lone Peak Productions (August 2006)

"Damage Control: Geography Department's Hazards Lab Helps Improve Responses to Terrorism and

Natural Disasters”, USC College of Arts & Sciences Alumni Magazine, *In Focus*, Fall 2006, pp. 1, 4.  
“Lessons Learned”, USC Research Magazine, *Breakthrough*, 2006, pp. 2-5.

## 2005 Media Interviews

### Print:

Richard K. DeAtley, *The Press Enterprise*, Riverside, CA, July 7, 2005 (London bombings, terrorism)  
Shawn Callihan, *Daily Gamecock*, “USC research team working to save lives in Katrina’s wake”, August 31, 2005.  
David Rhode, *The New York Times* (background on evacuation plans), September 1, 2005  
Scott Shane and Eric Lipton, *The New York Times*, “Government Saw Flood Risk but not Levee Failure,” September 2, 2005, (Hurricane Katrina)  
Jim O’Toole, *Pittsburgh Post Gazette*, “New Orleans will be reborn an altered city”, September 4, 2005 (Hurricane Katrina)  
Tony Freemantle, *Houston Chronicle*, “New Orleans’ Revival: Recapturing the city’s flavor is not a given”, September 4, 2005 (Hurricane Katrina)  
Jeff Wilkinson, *The State*, “12 Lessons that SC can Learn from Katrina,” September 4, 2005.  
Matt Crenson, Associated Press, “Another Storm Possible in Hard-Hit Region,” September 4, 2005 (picked up by *Houston Chronicle*, *New Zealand Herald*, among others)  
Joey Holleman, *The State* (background on Hurricane Katrina), September 2, 2005  
John McQuaid, *New Orleans Times Picayune*, September 2, 2005 (background Hurricane Katrina and evacuation)  
Diane Glass, *Atlanta Constitution*, September 2, 2005 (background Hurricane Katrina)  
Kaitlin Harrington, *Congressional Quarterly*, September 2, 2005 (background emergency management/federal response)  
Liz Boudreau, *French Daily*, September 6, 2005 (background on Hurricane Katrina)  
Michele Mittelsteadt, *Dallas Morning News*, September 6, 2005 (Hurricane Katrina)  
Amanda Ripley, *Time Magazine*, “How Did this Happen”, September 12, 2005 (Hurricane Katrina)  
Mike Hasten, Gannett News Service, “New Orleans Floods Have Another Consequence: Pollution,” September 6, 2005 (toxics and Hurricane Katrina)  
Alan Freeman, *Toronto Globe and Mail*, “Emergency Agency Called a Disaster,” September 7, 2005 (FEMA’s response)  
David Cone, *Baltimore Sun*, September 6, 2005 (Katrina response)  
Angie Marek, *US News and World Report*, September 7, 2005 (background on FEMA, general response)  
Anne Plummer, *Congressional Quarterly*, September 7, 2005 (background on mandatory evacuations)  
Anne Applebaum, *Washington Post*, September 7, 2005 (background reconstruction in New Orleans)  
Dave Helling, *Kansas City Star*, September 8, 2005 (evacuation planning in other cities)  
Tim Smith, *Greenville News*, September 9, 2005 (Hurricane Katrina)  
Carrie Haskel, *The New York Times*, September 9, 2005 (background Katrina)  
David Rohde, *The New York Times*, September 9, 2005 (background Katrina)  
Robert Muller, Associated Press Denver, September 15, 2005 (background Katrina)  
Joey Holleman, *The State*, “SC Evacuation Plan Improved, Officials Say,” October 2, 2005  
Ashley Fletcher, *Greenville News*, September 16, 2005 (explosions and chemical hazards)  
Jonathan Walters, *Governing Magazine*, October 11, 2005 (emergency management and governance)  
Dogen Hannah, Knight Ridder, October 11, 2005 (FEMA trailers/housing)  
Kaitlin Harrington, *Congressional Quarterly*, October 20, 2005 (reaction to a national council on preparedness)  
Peter N. Spotts, *The Christian Science Monitor*, “The Ties between Disaster Aid and Politics,” October 26, (disaster losses based on EOS article)

Tony Baughman, *Aiken Standard*, November 7, 2005 (Graniteville)  
John C. Drake, AP, "Half of Residents Outside Mandatory Evacuation left Graniteville," (appeared in *The State* among other places), November 8, 2005.  
Cain Burdeaux, Associated Press, New Orleans (environmental effects of hurricanes), November 29, 2005  
Julia Levy, *New York Sun*, December 5, 2005 (hurricane preparedness for New York City)

*Radio:*

Jessica Golden, ABC News Now, August 29, 2005 (Hurricane Katrina and emergency preparedness/planning)  
Nancy Barrick, KOMO 1000 News, Seattle, August 30, 2005 (Hurricane Katrina/emergency preparedness)  
Mike Pesca, NPR Radio, On Point, September 2, 2005 (Katrina)  
David Waterman, WVOC, Columbia, September 2, 2005 (how hurricane response going)  
John Howell, WJNO West Palm Beach, FL, September 28, 2005 (Katrina and evacuations)  
Brad Copeland, WKY, Oklahoma City, September 29, 2005 (Katrina)  
Chris Joyce, NPR, October 31, 2005 (Disaster losses based on EOS)

*Television:*

NBC Nightly News, September 7, 2005 (also played on MSNBC)  
WLTX, Columbia, interview with Johnny Chappel, September 7, 2005 (Hurricane Katrina)  
ABC Primetime, September 17, 2005 (provide background interview for story; no on-air exposure)  
Robert Kittle, News Channel 7 (CBS affiliate), "Graniteville Train Wreck Surveys Find Ways to Improve Evacuations," November 7, 2005  
Gretchen Eisell, NBC News, December 2, 2005 (background on top ten global catastrophic events for NBC special)  
John Michael, KMSP-TV, Minneapolis, December 19, 2005 (background on community disaster response plans)

2003 Radio interview: Gary Prosec's Help, Wealth, and Happiness Talk Show. 620 AM. Columbia, SC September 15, 2003.

2003 Newspaper interviews:  
South Carolina bucking the odds on a Hurricane (Greenville News), June 1, 2003  
Strand breathes sigh of relief as Isabel passes (Greenville News), September 16, 2003  
Informing the public can be risky (The Star Ledger, Newark, NJ), September 17, 2003  
Verbatim Column interview on the Geographical Dimensions of Terrorism (The Chronicle of Higher Education), June 13, 2003  
USC gets \$2.4 million NASA grant (The State), November 18, 2003

2003-04 Invited member, Richland County Hazard Mitigation and Risk Assessment Planning Committee

2003 Invited speaker, "Results of Richland County's hazard vulnerability assessment," Richland County Council meeting, Columbia, SC, January 28, 2003.

2003 Invited speaker, "Primer on Conducting Hazard Vulnerability Assessments," Georgetown County Project Impact Coordinator and Emergency Operations Center staff, Georgetown, SC, January 13, 2003.



- 2001 Radio interviews, Walter Edgar's Journal, SCERN, Hurricanes (August), September 11<sup>th</sup> terrorist attack (October).
- 2000 Invited speaker, "Assessing hazard vulnerability at the local level," North Carolina Legislative Study Commission on Disaster Response and Recovery, Raleigh, NC, September.
- 2000 Invited speaker, "A geographical view of South Carolina", Leadership South Carolina, Seabrook Island, SC, October.
- 1998 Invited speaker, "South Carolina Atlas of Environmental Risks and Hazards", John Bachman Group/South Carolina Chapter, Sierra Club, Columbia, SC, October.
- 1997 Invited Panelist, "What are the issues and how do we address them", Workshop on Sustainable Design & Development, Columbia, SC, April.
- 1997 Invited speaker, "Environmental Threats to Stability," The Foreign Affairs Seminar of Hilton Head Island, Hilton Head, SC, February.
- 1995 Invited speaker, "Justice, Injustice and the Global Environment," South Carolina Conference on International Relations, March, Columbia.
- 1995 Invited speaker, "South Carolina's Riskscape: Isn't Any Place Safe Anymore?", Geofest: Environmental Geography, sponsored by South Carolina, Alabama, Georgia, and Mississippi Geographic Alliances, April, Columbia, SC.
- 1995 Appointed to Planning Committee for Environmental Justice Workshop, South Carolina Department of Health and Environmental Control (DHEC).
- 1994 Invited speaker, "Landscapes of Risk: Local, National, Global", Humanities and Social Sciences Advisory Board, April 29, 1994.
- 1994 Radio interview on WMHK (Columbia), "Earthquake risk and Southern California", January 21, 1994.
- 1993 Consultant to Microsoft Corporation for their Atlas project.
- 1992-93 Consultant to Educational Testing Service, Princeton, NJ. Team member, NTE Social Studies Committee.
- 1991-93 Consultant to World Resources Institute in the development of their Environmental Almanac (published 1991 by Houghton Mifflin).
- 1987-92 Principal, Cutter Warner & Associates, Milltown, New Jersey. Environmental consulting firm specializing in impact assessments and natural resource inventories. Clients include Randolph Township, NJ (EIS and water quality study, India Brook watershed), and South Amboy, NJ (environmental constraints study, New Jersey dredge spoil disposal area).
- 1990 Invited speaker, "Who are the Latin Americans?". New York & the World, (A consortium

project of the American Forum for Global Education and the New York City Board of Education), New York City.

- 1990 Invited speaker for Geography Awareness Week, Carl Sandburg Middle School (Old Bridge Twp.), Kent Place School (Summit).
- 1988-89 Consultant to Felician College (N.J.), Caldwell College (N.J.), Lock Haven University (PA), and Kings College (PA), for the integration of geography into international studies curricula.
- 1988 Consultant to Educational Testing Service, Princeton, NJ. Project Leader in the development of the Dantes test in Geography.
- 1988 Proposal Evaluator, Office of Recycling, Division of Solid Waste Management, NJ Department of Environmental Protection.
- 1980 Invited Speaker, Hunterdon County Conference on Recycling. "Attitude Study of Recyclers in Hunterdon County."
- 1976 Member, Areawide Planning Advisory Committee (APAC), Northeast Illinois Planning Commission for water quality planning in the metropolitan region under Section 208, PL 92-500.
- 1975-76 Conservation Coordinator and Member of Executive Committee, Chicago Group, The Sierra Club.
- 1974-76 Chairperson, Solid Waste and Litter Committee, Member of Executive Committee, Friends of the Earth (Chicago Chapter).

### **Thesis/Dissertation Supervision**

Current Advising: 5 Ph.D. students, 7 MA/MS students  
Number of Ph.D. students: 20 (3 at Rutgers)  
Number of MA/MS students (thesis): 28 (5 at Rutgers)  
Number of MA/MS students (non-thesis): 10 (Rutgers)

#### Ph.D. Advisor

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, 2010. "The Thin Green Line: Geographies of Ecoterrorism in the United States."
- Mathew Schmittlein, 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
- 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". (University of South Carolina).

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:

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

### **University of South Carolina Service**

2009-11 Chair, Research Advisory Council (Vice-President for Research and Graduate Education)

2009 Focus Carolina, Chair, Subcommittee on Visibility and Recognition

2008-11 Member, Committee on Named and Distinguished Professors

2006-09 Member, School of the Environment Advisory Committee

2006 Transition Team, School of the Environment to College of Arts & Sciences

2003 Member, Potential Merger of the College of Science of Mathematics and the College of Liberal Arts Committee

2003-07 Member, Board of Directors, USC Research Foundation (USCRF)

2003-04 Member, Office of Research, Biomedical Research Initiative Steering Committee (BRISC)

2003-06 Member, Office of Research, Environmental Research Initiative Steering Committee (ERIC)

2002 USC Doctoral Hooding Commencement Speaker, December.

2002-06 Member Baruch Institute Advisory Committee

- 2002 Member, Office of Research Bioterrorism Work Group, and co-chair Work Group 2 (with Walter Piegorsch), Bioterrorism Risk Assessment, Communication, and Policy
- 2002 Chair, Chair Search Committee for the newly formed Department of Languages, Literatures, and Cultures
- 2001-05 University Committee on Named and Distinguished Professorships
- 1999-02 Russell Research Award Committee
- 1998-01 University Press Committee
- 1998- Faculty Affiliate, Women's Studies Program
- 1997-98 Chair, GINT Chair Search Committee, College of Liberal Arts
- 1997-02 Member, Advisory Board, Walker Institute of International Studies
- 1997-00 Member, University Environmental Properties Task Force
- 1995-98 Elected Member, University Committee on Tenure and Promotion (UCTP)
- 1995-05 Member, School of the Environment Advisory Committee
- 1994-96 Member, University Research Advisory Committee (RAC)
- 1994-95 Member, University Committee on Environmental Studies
- 1994 Chair, GINT Search Committee for chaired professorships
- 1994 Chair, Search Committee for Associate Provost for Undergraduate Studies
- 1993-00 Chair, Department of Geography

### **Honors/Awards**

- 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
- 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)
- 2005 Distinguished Geographer Award, Pennsylvania Geographic Society
- 2002 Outstanding Leadership Award, Southwest Texas State University (Department of Geography), April 20, 2002.
- 2001 Featured in *The State* newspaper in the "Who's Who in Higher Education" (June 3, 2001).
- 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
- 1996 Diamond Award Winner, Tribute to Women in Industry (TWIN), Midlands YWCA.
- 1996 Bibliographic Entry, Who's Who of American Women.