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Gavin Smith, Ph.D., AICP

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EDUCATION

Doctor of Philosophy in Urban and Regional Planning
Texas A&M University. College Station, Texas
Specialization: Environmental Planning and Policy, Dispute Resolution, Hazard Mitigation

Master of Science in Sociology
Texas A&M University. College Station, Texas
Specialization: Politics of Urban Development, Demography

Bachelor of Science in Sociology
Minor - Organizational Management
Texas A&M University. College Station, Texas
Specialization: Urban Sociology

EXPERIENCE

Senior Disaster Recovery Advisor/Chief of Hurricane Matthew Disaster Recovery and Resilience Initiative. State of North Carolina. January 2017 – *Present.* Advise the Governor and senior staff in the North Carolina Division of Emergency Management on a range of disaster recovery issues and lead the development of local disaster recovery plans in 6 hard-hit communities with modest to low capacity. Advisory services include assisting in the identification of local needs, describing state staffing and policy options spanning recovery programs, developing state programs, creating state legislative and congressional appropriation requests. Additional tasks include coordinating the recovery activities of the University of North Carolina System to include linking research and engagement efforts with identified state and local needs.

Director. U.S. Department of Homeland Security Coastal Resilience Center of Excellence. University of North Carolina at Chapel Hill. *April 2015 – Present.* Lead multi-disciplinary center. Emphasis is placed on managing more than 28 universities located across the United States; fostering partnerships between practitioners, researchers, and educators; translating findings to practice; and creating the next generation of hazards scholars and policymakers. Lead a 10-hour Graduate Certificate in Natural Hazards Resilience.

EXPERIENCE (continued)

Research Professor. University of North Carolina at Chapel Hill, **Department of City and Regional Planning.** ***May 2015 – Present.*** Teach the following courses: Planning for Natural Hazards and Climate Change Adaptation, Survey of Natural Hazards and Disasters, Natural Hazards Resilience Speaker Series, and special topics as identified. Advise master's and Ph.D. candidates as identified. Current research focuses on the role of states in disaster recovery, including gubernatorial leadership. This work, which includes conducting filmed interviews with governors and state agency officials, forms the basis of a video-based training guide and a series of journal articles.

Executive Director. U.S. Department of Homeland Security Coastal Hazards Center of Excellence. University of North Carolina at Chapel Hill. ***June 2008 – July 2015.*** As the primary administrator of the multidisciplinary Coastal Hazards Center (CHC), specific tasks include the identification of funding opportunities (coordinated the writing of the winning six-year, $15,250,000 CHC grant proposal), building partnerships among hazard scholars and practitioners, and managing additional research initiatives as they emerge. Current research projects include the culmination of a six-year study focused on assessing the quality of state and local hazard mitigation plans (Co-PI) and the effects of gubernatorial leadership and state agency capacity on the disaster recovery process (PI). Videotaped interviews conducted with governors and state officials serve as part of the research design as well as part of an educational process intended for use by states facing future disasters. Additional translational efforts include participating in a number of federal and state committees and regularly advising nations, states, FEMA, EPA, Sea Grant and other organizations charged with a range of disaster-related policy issues. Dr. Smith also led the effort to develop a graduate certificate program in the Study of Natural Hazards Resilience that begins in the Fall of 2015. Led the coordination and writing of the winning five-year, $20,000,000 U.S. Department of Homeland Security's Coastal Resilience Center of Excellence proposal, a multi-university initiative beginning in April of 2015.

Associate Research Professor. University of North Carolina at Chapel Hill, **Department of City and Regional Planning.** ***June 2008 – April 2015.*** Dr. Smith completed the text *Planning for Post-Disaster* Recovery: A Review of *the United States Disaster Assistance Framework* (Island Press 2011) and more recently co-edited the volume *Adapting to Climate Change: Lessons from Natural Hazards Planning* (Springer 2014). Courses taught include Planning for Natural Hazards and Climate Change Adaptation, Survey of Natural Hazards and Disasters, Disaster Recovery Planning, and Special Topics within the Department of City and Regional Planning. In 2013, Dr. Smith served as a guest lecturer in a course titled Creating Resilient Cities at Harvard University's Graduate School of Design. For the past three summers Dr. Smith has served as a guest lecturer at the University of Hawaii at Manoa where he has taught classes focused on disaster recovery as part of the National Disaster Preparedness Training Center and Department of City and Regional Planning's Certificate Program in Disaster Management and Humanitarian Assistance.

EXPERIENCE (continued)

Principal Professional. Post, Buckley, Schuh and Jernigan. ***August 2006 – May 2008.*** As one of 10 individuals designated as a principal professional within a 4,000 person firm, specific duties were tied to the provision of high level policy counsel to governors, federal agencies, corporations, universities, and nations regarding disaster recovery and hazard mitigation practice. Projects performed for the State of Mississippi (see below) are indicative of this type of service.

Executive Director, Mississippi Governor's Office of Recovery and Renewal. ***January 2006 – January 2007.*** Served as the Director of the Governor's Office of Recovery and Renewal, a legislatively-appointed position following Hurricane Katrina. Primary tasks focused on four key objectives: identifying federal, state, non-profit, foundation, and corporate financial assistance; providing policy counsel to the Governor, his staff and cabinet members, state agency officials, non-profits, and other organization regarding recovery policy formulation and implementation; assisting in the identification of appropriate organizations responsible for the implementation of the policy recommendations found in the Governor's Commission Report: *After Katrina Building Back Better Than Ever*; and the development of education, outreach, and training initiatives associated with long-term disaster recovery. In this role, Dr. Smith helped develop the concept and wrote policy guidance associated with the $400,000,000 Alternative Housing Pilot Program, a Congressionally-appropriated initiative intended to test the construction and deployment of improved emergency housing alternatives following Hurricane Katrina in the States of Alabama, Mississippi, and Louisiana. Dr. Smith also led the development of the winning $250,000,000 proposal for the State of Mississippi that drew on the Alternative Housing Pilot Program funding.

Policy Advisor, Governor's Commission on Recovery, Rebuilding and Renewal. ***November 2005 – January 2006.*** Provided planning guidance and post-disaster recovery policy counsel to the Governor's Commission on Recovery, Rebuilding, and Renewal. Participated in the Mississippi Renewal Forum, a week-long planning charrette comprised of over 150 architects, engineers, and land-use planners focused on the creation of 11 municipal-level design-based plans intended to guide the rebuilding of coastal communities. Specific tasks included advising design professionals about the implications of the National Flood Insurance Program and how hazard mitigation techniques could be incorporated into plans, site designs, and individual structures. Conducted public meetings with community leaders and disaster victims in order to gain their input into the creation of community-level plans and the state's recovery policy plan, *After Katrina: Building Back Better than Ever*. Assisted in the writing of the state plan, which contains 264 policy recommendations drawn from the work performed by 11 committees and over 300 members.

EXPERIENCE (continued)

Adjunct Faculty, Guest Lecturer. University of North Carolina at Chapel Hill, **Department of City and Regional Planning.** ***August 2002 – November 2007.*** Conducted guest lecturers in courses on hazard mitigation, disaster recovery planning, coastal zone management, and environmental planning within the Department of City and Regional Planning. Additional guest lectures included those conducted at Texas A&M University's College of Landscape Architecture and Urban Planning and the Department of Wildlife and Fisheries Sciences; the University of North Carolina, Charlotte, School of Engineering; Chungbuk National University (South Korea), Department of Public Administration; the University of Mississippi, School of Business; the National Science Foundation; and the National Academy of Sciences.

Program Manager, Planning and Grants Management. Risk and Emergency Management Division. Post, Buckley, Schuh and Jernigan (PBS&J). ***December 2002 – October 2005.*** As Program Manager within PBS&J's Risk and Emergency Management Division, duties included developing client relationships; managing program staff; writing proposals; overseeing the development of state, local, and university hazard mitigation and disaster recovery plans; and providing pre and post-disaster grants management and policy consultation services to local, state, and national governments. Project management duties included working with FEMA, states, and over 250 counties and municipal governments across the United States to develop hazard mitigation plans that complied with state and federal requirements. During this three year period, Dr. Smith led hazard mitigation planning teams that won over 85% of all competitive proposals submitted.

Vice President for Professional Services, Durham Technologies, Inc. ***June 2002 – November 2002.*** Assisted states and local governments with local mitigation and disaster recovery planning, hazard identification, risk assessment, natural and man-made loss estimation methodologies, gathering and analyzing data to aid in decision making and policy formulation, grants management technical assistance, and training. Provided mitigation and disaster recovery policy guidance to states and countries in both the pre and post disaster environment. This included how to build a post-disaster mitigation and recovery team, the identification of Congressionally-appropriated funds above those associated with the Stafford Act, and the provision of specialized assistance to policymakers.

Assistant Director for Hazard Mitigation, North Carolina Division of Emergency Management. ***May 1998 – May 2002.*** Primary tasks focused on the management of all aspects of the Hazard Mitigation Section in the North Carolina Division of Emergency Management. The Mitigation Section was comprised of as many as 50 staff in four branches, including: Grants Management; Risk Assessment, Planning, and Outreach; Floodplain Management; and Legal/Real Estate. Key objectives included the development and implementation of a comprehensive mitigation ethic in North Carolina; the integration of all state mitigation activities; incorporating mitigation into all phases of emergency management; and institutionalizing hazard mitigation practice among homeowners, local governments, regional organizations, state agencies, the private sector, academia, and non-profits.

EXPERIENCE (continued)

Specific tasks included the development of national and state policy regarding the use of disaster recovery funding and mitigation programs, the management of mitigation staff, and the administration of five grant programs in excess of 800 million dollars. The five primary grant programs administered in this section include the Hazard Mitigation Grant Program (HMGP), Hurricane Floyd Supplemental (Congressional) Appropriation, the Flood Mitigation Assistance Program, the Pre-Disaster Mitigation fund, and the Tenant Relocation fund. As Assistant Director, Dr. Smith oversaw the acquisition / relocation and elevation of over 5,000 and 1,000 flood prone properties respectively.

Additional work involved presenting information at national and state conferences and conducting television, radio, and newspaper interviews. Served on several state and national committees that regularly engaged in policy dialogue with state and FEMA officials related to disaster recovery programs and new federal and state initiatives, including the Disaster Mitigation Act of 2000 and N.C. Senate Bill 300 (codifying state recovery programs noted below). Regularly addressed congressional inquiries concerning mitigation-related issues, performed the role of Governor's Authorized Representative on all mitigation issues, assisted the state assess unmet disaster recovery funding needs and briefed the Governor, cabinet officials, and the North Carolina Congressional delegation as required. Developed requests for supplemental Congressional appropriations following major disasters and chaired the State Hazard Mitigation and Long-term Recovery Advisory Group. Dr. Smith served as an advisor to Governor Hunt on policies and programs associated with long-term recovery in North Carolina. This work led to the development of 22 state programs, which totaled $836,000,000. The intent of the state recovery programs were to address local needs not met by federal assistance, including the development of the State's nationally recognized floodplain mapping initiative. This state program, the first of its kind in the country, has assumed the federal responsibility to create and disseminate up to date Flood Insurance Rate Maps to local governments, insurance agents, and citizens.

State Hazard Mitigation Officer, North Carolina Division of Emergency Management. ***June 1997 – May 1998***. Developed a comprehensive hazard mitigation program in the Division that was nonexistent prior to 1997. Tasks involved creating new policies and procedures and the oversight of 14 mitigation personnel that were charged with the development and implementation of over 140 Hazard Mitigation Grant Program projects that exceeded $112,000,000. Created the State Hazard Mitigation Advisory Group, which was responsible for the development and implementation of inter-agency mitigation policy such as community reinvestment following a disaster, sustainable re-development, coordination of state agency funding, and seeking federal disaster assistance that was unavailable through FEMA. Established the North Carolina Hazard Mitigation Planning Initiative, a state-wide hazard mitigation planning effort that ultimately served as a model for the rules promulgated under the Disaster Mitigation Act of 2000, federal legislation requiring the creation of state and local hazard mitigation plans in order to remain eligible for pre- and post-disaster federal assistance.

EXPERIENCE (continued)

Hazard Mitigation Planning Coordinator, North Carolina Division of Emergency Management. ***January 1997 – June 1997.*** Primary job responsibilities included the oversight of hazard mitigation activities for the State of North Carolina. Managed 8 mitigation personnel, developed mitigation policy, and provided technical assistance to local governments regarding mitigation planning and the administration of the Hazard Mitigation Grant Program. Served as the Division of Emergency Management Liaison to the Governors Disaster Recovery Task Force. This position involved the critical review of issues facing Emergency Management and other State agencies following Hurricane Fran and writing policy recommendations addressing these concerns. The recommendations were published in the report *North Carolina Disaster Recovery Task Force: Recommendations for Action.* Wrote the *North Carolina Mitigation Strategy Report* which provided mitigation guidance to local governments, the Mitigation Section, and state agencies.

National Flood Insurance Program Planner. ***August 1996 – January 1997.*** Developed new mitigation policies and procedures including the prioritization of over 300 Hazard Mitigation Grant Program applications following Hurricane Fran. Conducted National Flood Insurance Program (NFIP) compliance visits, provided NFIP technical guidance, identified non-participating communities, and conducted a statewide outreach effort to encourage NFIP participation. Performed Preliminary Damage Assessments and aerial reconnaissance as part of the State Emergency Response Team following Hurricane Fran.

Outreach Coordinator, Haw River Assembly. ***January 1996 – June 1996.*** Assisted the Haw River Assembly, a private non-profit environmental group, with community education and public outreach efforts. Tasks centered on the development, implementation, and management of three community-based river festivals, which sought to educate individuals, local governments, state agencies, and businesses about their impact on the Haw River. Work involved supervising the activities of over 75 volunteers; giving presentations to community groups, school children, environmental organizations, and state agencies; managing event logistics; preparing press releases; conducting newspaper interviews; and publicizing Haw River Assembly events.

Campaign Coordinator, Environmental Federation of North Carolina. ***September 1995 – November 1995.*** Developed, promoted, managed, and implemented eight environmental resource fairs across North Carolina that served to improve networking opportunities between North Carolina university faculty, students, staff, and environmental groups that are part of the North Carolina Environmental Federation (EFNC). Specific tasks included managing over 40 volunteers, publicizing events, conducting interviews with local media, writing press releases, garnering volunteer support, increasing EFNC memberships, and disseminating information to member organizations, interested environmental groups, citizens, and state agencies. Completed doctoral dissertation, *The Transformation of Environmental Conflict: A Game Theoretic Approach,* which described how policy dialogue may result in improved decision making and the resolution of multi-party disputes.

EXPERIENCE (continued)

Research Associate, Hazard Reduction and Recovery Center, Texas A&M University. *September 1992 – August 1995.* Worked on two research projects; a nationwide review of search and rescue activities following disasters and the analysis of the level of cooperation among emergency managers and local land use planners. The first project involved interviewing over 100 victims of 12 natural and technological disasters that occurred across the United States. Additional interviews were conducted with emergency management officials, police and fire personnel, physicians, and Emergency Medical Technicians. Reports linking the findings to specific policy recommendations were presented to project colleagues and local officials during bi-monthly meetings. The second project involved a study of inter-organizational coordination between local planning departments and local emergency management offices. Tasks included creating a survey instrument, identifying relevant literature, analyzing data, and linking the findings to hypothesized results.

Research Assistant, Texas State Data Center, Texas A&M University. *January 1991 – September 1992.* Compiled demographic data and assisted with the creation and editing of reports and journal articles that were used by local, state, and federal agencies to establish policy based on the findings. Assisted local governments with the collection and analysis of demographic data. This information was used to make more informed policy decisions based on population growth projections, planned development, and existing land use. Gathered data, performed calculations, and assisted in the writing of the text, *Applied Demography: An Introduction to Basic Concepts, Methods and Data.* Completed the writing of master's thesis titled: *Growth Machine Theory: A Qualitative Analysis.*

PUBLICATIONS

Journal Articles

Smith, Gavin. 2016. Remembrances of the Past, Concerns for the Future, and the Potential Resilience of a Small Coastal Town, *Southern Cultures.* Summer: 64-87.

Horney, Jennifer, Caroline Dwyer, Meghan Aminto, Phil Berke and Gavin Smith. 2016. Developing Indicators to Measure Post-Disaster Community Recovery, *Disasters* 41(1): 124-149.

Lyles, Ward, Philip Berke and Gavin Smith. 2015. Local Plan Implementation: Assessing Conformance and Influence of Local Plans in the United States, *Environment and Planning B: Planning and Design* (accepted for publication).

Smith, Gavin. 2014 (Autumn). Involving Land Use Planners in Pre-Event Planning for Post-Disaster Recovery. Planner's Note, *Journal of the American Planning Association*. 80(4): 306-307. Special Issue, Planning for Disaster Recovery.

Journal Articles (continued)

Berke, Philip, Ward Lyles, and Gavin Smith. 2014. Impacts of Federal and State Mitigation Policies on Local Land Use Policy, *Journal of the Planning Education and Research*. 34(1): 60-76.

Lyles, Ward, Phil Berke and Gavin Smith. 2014. A Comparison of Local Hazard Mitigation Plan Quality in Six States, USA, *Landscape and Urban Planning* 122 (February): 89-99.

Lyles, Ward, Phil Berke and Gavin Smith. 2014. Do Planners Matter? Examining Factors Driving Incorporation of Land Use Approaches into Hazard Mitigation Plans, *Journal of Environmental Planning and Management* 57(2):792-811.

Sandler, Dylan and Gavin Smith. 2013. Assessing the Quality of State Disaster Recovery Plans: Implications for Policy and Practice, *Journal of Emergency Management* 11(4):281-291.

Smith, Gavin, Ward Lyles, Philip Berke. 2013. The Role of the State in Building Local Capacity And Commitment for Hazard Mitigation Planning, *International Journal of Mass Emergencies and Disasters* 31(2): 178-203.

Smith, Gavin, Dylan Sandler and Mikey Goralnik. 2013. Assessing State Policy Linking Disaster Recovery, Smart Growth and Resilience in Vermont Following Tropical Storm Irene, *Vermont Journal of Environmental Law* 15: 67-102.

Berke, Philip, Gavin Smith, Ward Lyles. 2012. Planning for Resiliency: Evaluation of State Hazard Mitigation Plans Under the Disaster Mitigation Act, *Natural Hazards Review* 13(2): 139-150.

Smith, Gavin and Tom Birkland. 2012. Building a Theory of Recovery: Institutional Dimensions. Special Edition on Developing a Theory of Disaster Recovery. *International Journal of Mass Emergencies and Disasters* 30(2): 147-170.

Smith, Gavin. 2010. Disaster Recovery Planning in the United States: Lessons for the Australasian Audience *Australasian Journal of Disaster and Trauma Studies*. Natural Hazards Planning in Australasia. ISSN: 1174-4707, Volume 2010-1.

Books

Glavovic, Bruce and Gavin Smith. 2014. *Adapting to Climate Change: Lessons from Natural Hazards Planning*. New York: Springer.

Smith, Gavin. 2011. *Planning for Post-Disaster Recovery: A Review of the United States Disaster Assistance Framework*. Washington, D.C.: Island Press.

Book Chapters

Smith, Gavin, Amanda Martin and Dennis Wenger. "Disaster Recovery in an Era of Climate Change: The Unrealized Promise of Institutional Resilience." 2017. In *Handbook of Disaster Research,* Second Edition, Eds. Havidan Rodriguez, Joseph Trainor and William Donner. New York: Springer.

Smith, Gavin. "The Role of States in Disaster Recovery: An Analysis of Engagement, Collaboration, Leadership, and Capacity Building." 2017. In *Building Community Resilience to Disasters: The Handbook of Planning for Disaster Resilience*, Routledge Press.

Smith, Gavin. "Pre- and Post-Disaster Conditions, their Implications, and the Role of Planning for Housing Recovery." 2017. Chapter 18, pp. 277-292. In *Coming Home After Disaster: Multiple Dimensions of Housing Recovery*, Eds. Ann-Margaret Esnard and Alka Sapat. Boca Raton, Florida" CRC Press.

Smith, Gavin. "Planning for Sustainable and Disaster Resilient Communities." 2015. Chapter 9, pp. 249-279. In Hazards Analysis: Reducing the Impact of Disasters, Ed. John Pine (2nd edition). Boca Raton, Florida: CRC Press.

Smith, Gavin. "Creating Disaster Resilient Communities: A New Hazards Risk Management Framework." 2015. Chapter 10, pp. 281-308. In Hazards Analysis: Reducing the Impact of Disasters, Ed. John Pine. (2nd edition). Boca Raton, Florida: CRC Press.

Smith, Gavin. "Applying Hurricane Recovery Lessons in the U.S. to Climate Change Adaptation: Hurricanes Fran and Floyd in North Carolina, USA." 2014. Chapter 9, pp. 193-229. In *Adapting to Climate Change: Lessons from Natural Hazards Planning*, Eds. Bruce Glavovic and Gavin Smith. New York: Springer.

Bruce Glavovic and Gavin Smith. "Introduction: Learning from Natural Hazards Experience to Adapt to Climate Change." 2014. Chapter 1, pp. 1-38. In *Adapting to Climate Change: Lessons from Natural Hazards Planning*, Eds. Bruce Glavovic and Gavin Smith. New York: Springer.

Smith, Gavin. "Disaster Recovery in Coastal Mississippi (USA): Lesson Drawing from Hurricanes Camille and Katrina." 2014. Chapter 14, pp. 339-368. In *Adapting to Climate Change: Lessons from Natural Hazards Planning*, Eds. Bruce Glavovic and Gavin Smith. New York: Springer.

Smith, Gavin and Bruce Glavovic. "Conclusions, Recommendations, and Next Steps: Integrating Planning for Natural Hazards and Climate Change Adaptation." 2014. Chapter 16, pp. 405-450. In *Adapting to Climate Change: Lessons from Natural Hazards Planning*, Eds. Bruce Glavovic and Gavin Smith. New York: Springer.

Book Chapters (continued)

Smith, Gavin. "Catastrophic Disaster Recovery: An Institutional Network Perspective." 2013. Chapter 12, pp. 281-300. In *Preparedness and Response to Catastrophic Disasters*, Ed. Richard A. Bissell. Boca Raton, Florida: CRC Press.

Smith, Gavin. 2009. "Planning for Sustainable and Disaster Resilient Communities." Chapter 9, pp. 221-247. In *Natural Hazards Analysis: Reducing the Impact of Disasters*, Ed. John Pine. Boca Raton, Florida: CRC Press.

Smith, Gavin. 2009. "Disaster Resilient Communities: A New Hazards Risk Management Framework." Chapter 10, pp. 249-267. In *Natural Hazards Analysis: Reducing the Impact of Disasters*, Ed. John Pine. Boca Raton, Florida: CRC Press.

Smith, Gavin. 2009. "A Review of the United States Disaster Assistance Framework: Planning for Recovery." Chapter 7, pp. 99-111. In *Emergency Management in Higher Education: Current Practices and Conversations*, Ed. Jessica Hubbard. Fairfax, Virginia: Public Entity Risk Institute.

Smith, Gavin. 2009. "Recovery and Reconstruction." Session 10, pp. 1-32. In *Catastrophe Readiness and Response*, Ed. Richard Bissell. Emmitsburg, Maryland: FEMA Emergency Management Institute, Higher Education Project. Accessed at: http://training.fema.gov/EMIWeb/edu/catastrophe.asp.

Berke, Phil and Gavin Smith. 2009. "Hazard Mitigation, Planning and Disaster Resiliency: Challenges and Strategic Choices for the 21st Century." Chapter 1, pp. 1-20. *Building Safer Communities: Risk, Governance, Spatial Planning and Responses to Natural Hazards*, Ed. Urbano Fra Paleo. NATO Science for Peace and Security Series, E, Human and Societal Dynamics, Volume 58. Amsterdam: ISO Press.

Smith, Gavin and Dennis Wenger. 2006. "Sustainable Disaster Recovery: Operationalizing an Existing Agenda." Chapter 14, pp. 234-257. In *Handbook of Disaster Research*, Eds. Havidan Rodriguez, E.L. Quarantelli and Russell R. Dynes. New York: Springer.

Publications (submitted for review or under development)

Gavin Smith, Lea Sabbag and Ashton Rohmer. A Comparative Analysis of the Roles Governors Play in Disaster Recovery (submitted for review).

Smith, Gavin, Allison Anderson and David Perkes. *New Urbanism and the H-Transect: Improving the Integration of Hazard Mitigation, Disaster Recovery, and Design* (under development).

JOURNAL EDITOR, TECHNICAL REPORTS, EDITORIALS, VIDEOS and DISSERTATION

Journal Editor

Carolina Planning Journal, February 2017. Special Edition: Disaster Resilience. University of North Carolina Department of City and Regional Planning.

Technical Reports

Smith, Gavin, Lea Sabbag, Ashton Rohmer. *Role of States in Recovery Video Training Guide*. March 2016. Chapel Hill, North Carolina: Department of Homeland Security, Coastal Resilience Center of Excellence.

Horney, Jennifer and Gavin Smith. September 2015. *Measuring Successful Recovery: A Case Study of Six Communities in Texas.* Tysons, Virginia: LMI Research Institute.

Tuckson, Reed V., et. al 2015. Healthy, Resilient, and Sustainable Communities After Disasters: Strategies, Opportunities, and Planning for Recovery. Washington, D.C.: National Academies Press (consultant).

Smith, Gavin. *Disaster Recovery Funding: Achieving a Resilient Future?* National Academy of Science, Institute of Medicine. June 2014. Commissioned by the National Academy of Science, Committee on Post-Disaster Recovery of a Community's Public Health, Medical and Social Services.

Smith, Gavin, David Perkes, Andy Rumbach, Darrin Punchard. September 2014. Community Planning Assistance Team Report. *Lyons, Colorado: Designing a More Resilient Future*. Chicago, Illinois: American Planning Association.

Smith, Gavin, John Whitehead, Nikhil Kaza, Jae Park, John Pine, Randy Kolar. December 2013. *Aggregate Flood Hazard Risk Reduction Scoping Project*. Chapel Hill, North Carolina: Department of Homeland Security Coastal Hazards Center of Excellence.

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Smith, Gavin and Dylan Sandler. July 2012. *State Disaster Recovery Guide*. Chapel Hill, North Carolina: Department of Homeland Security Coastal Hazards Center of Excellence.

Technical Reports (continued)

Lyles, Ward, Philip Berke and Gavin Smith. July 2012. *Evaluation of Local Hazard Mitigation Plan Quality.* Center for Sustainable Community Design and the Coastal Hazards Center. Chapel Hill, North Carolina: University of North Carolina at Chapel Hill.

Burkett, V.R. and Davidson, M.A. 2012. *Coastal Impacts, Adaptation, and Vulnerability: A Technical Input to the 2012 National Climate Assessment. Cooperative Report to the 2013 National Climate Assessment.* Contributing author. Washington, D.C.: Island Press.

Berke, Philip, Gavin Smith and Sara Reynolds. 2011. *Community Rating System: Plan Evaluation & Model Practices.* Federal Emergency Management Agency. Chapel Hill, North Carolina: Department of Homeland Security Coastal Hazard Center of Excellence.

Berke, Philip, Gavin Smith, Dave Salvesen, Ward Lyles, and Dylan Sandler. December 2011. *An Evaluation of Floodplain Management Planning Under the Community Rating System.* Final Report for the Federal Emergency Management Agency. Chapel Hill, North Carolina: Department of Homeland Security Coastal Hazard Center of Excellence.

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Mississippi Alternative Housing Program: A Chronological Analysis. 2007. Mississippi Emergency Management Agency (contributing author).

One Year After Katrina: Progress Report on Recovery, Rebuilding and Renewal. August 2006. Office of Governor Haley Barbour (contributing author).

After Katrina: Building Back Better than Ever. December 2006. Governor's Commission on Recovery, Rebuilding and Renewal (contributing author).

Smith, Gavin. 2004. *Holistic Disaster Recovery: Creating a More Sustainable Future.* Emmitsburg, Maryland: FEMA Emergency Management Institute, Higher Education Project.

Smith, Gavin. 2002. *The 21st Century Emergency Manager*. Emmitsburg, Maryland: FEMA Emergency Management Institute, Higher Education Project.

Technical Reports (continued)

Proposal for Institute of Disaster Studies to North Carolina Disaster Response and Recovery Commission. 2001. Office of the President, University of North Carolina (contributing author).

Research in Support of Hazard Mitigation: Science in Service of Society. Symposium Proceedings. 2000. Department of Crime Control and Public Safety, Department of Emergency Management (Contributing author).

North Carolina Disaster Recovery Task Force: Recommendations for Action. Progress Report. September 1997. Office of the Lieutenant Governor, State of North Carolina (contributing author).

Hurricane Fran Mitigation Strategy Report. 1997. State of North Carolina. Division of Emergency Management (primary author).

North Carolina Disaster Recovery Task Force: Recommendations for Action. February 1997. Office of the Lieutenant Governor, State of North Carolina (contributing author).

Editorials

Smith, Gavin. *Hurricane Sandy Makes an Entrance.* Natural Hazards Observer. Invited Comment. Vol. XXXVIII, No. 3. January 2013. Boulder, Colorado: Natural Hazards Center.

Smith, Gavin. *Before Disaster Strikes.* Editorial. Raleigh News and Observer. September 16, 2011.

Videos

Smith, Gavin. March 2016. *Role of States in Disaster Recovery Video*. Produced by Horizon Video Productions, Durham North Carolina.

Dissertation

Smith, Gavin. 1996. *The Transformation of Environmental Conflict: A Game Theoretic Approach.* Doctoral Dissertation. Department of Landscape Architecture and Urban Planning. College Station, Texas. Texas A&M University.

REVIEW OF PUBLICATIONS/TECHNICAL DOCUMENTS

Pre-Disaster Planning Guidance for States, Tribes and Territories. 2014. Federal Emergency Management Agency. Capacity Building Branch, National Disaster Recovery Planning Division.

Planning for Community Resilience: A Handbook for Reducing Vulnerability to Disasters. 2014. Masterson, Jaimie Hicks, Walter Gillis Peacock, Shannon S. Van Zandt, Himanshu Grover, Lori Feild Schwarz, and John T. Cooper Jr. Washington, D.C.: Island Press.

Floodplain Management Policy and Program Investigation: Impacts and Barriers to Federal Programs in Achieving the Goals of Floodplain Management. 2012. Federal Interagency Floodplain Management Task Force.

Hazard Mitigation and Preparedness. 2007. Anna Schwab, Katherine Eschelbach, and David Brower. Hoboken, New Jersey: John Wiley and Sons.

FEMA Emergency Management Institute, Higher Education Project course *Coastal Hazards Management*. 2005. David Brower and Anna Schwab.

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Tools and Techniques: An Encyclopedia of Strategies to Mitigate the Impacts of Natural Hazards. 2002. North Carolina Division of Emergency Management and the Hazard Mitigation Planning Clinic, Department of City and Regional Planning, The University of North Carolina at Chapel Hill.

Multi-Hazard Mitigation Council, Committee on Assessment of Future Savings from Mitigation Activities. Technical Advisor. 2002. Identification of available data, review of study methods and research approach.

Keeping Natural Hazards from Becoming Disasters: A Mitigation Planning Guidebook for Local Governments. 2001. North Carolina Division of Emergency Management and the Hazard Mitigation Planning Clinic, Department of City and Regional Planning, The University of North Carolina at Chapel Hill.

Hazard Mitigation in North Carolina: Measuring Success. 2001. North Carolina Division of Emergency Management and the Federal Emergency Management Agency.

Guiding Principles for the Quality Redevelopment of Eastern North Carolina (video). 2001. North Carolina Division of Emergency Management and the Hazard Mitigation Planning Clinic, Department of City and Regional Planning, The University of North Carolina at Chapel Hill.

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Steering Barrier Island Communities Toward a More Sustainable Future. 2001. North Carolina Division of Emergency Management and the Hazard Mitigation Planning Clinic, Department of City and Regional Planning, The University of North Carolina at Chapel Hill.

A Governor's Guide to Emergency Management. Volume One: Natural Disasters. 2001. Washington, D.C.: National Governors Association.

Managing Your Business to Minimize Disruption: A Guide for Small Businesses in North Carolina. 2001. North Carolina Division of Emergency Management.

Managing Your Farm to Minimize Disruption from Natural Disasters. 2001. North Carolina Division of Emergency Management.

Disaster Mitigation Act of 2000 Enabling Rules. 2001. Federal Emergency Management Agency.

Keeping Natural Hazards from Becoming Disasters: A Basic Workbook for Local Governments. 2000. North Carolina Division of Emergency Management and the Hazard Mitigation Planning Clinic, Department of City and Regional Planning, The University of North Carolina at Chapel Hill.

Hazard Mitigation Success in the State of North Carolina. 1999. Department of Crime Control and Public Safety.

Tools and Techniques: Putting a Hazard Mitigation Plan to Work. 1998. North Carolina Division of Emergency Management and the Hazard Mitigation Planning Clinic, Department of City and Regional Planning, The University of North Carolina at Chapel Hill.

Murdock, Steve and David R. Ellis. 1991. *Applied Demography: An Introduction to Basic Concepts, Methods and Data.* Boulder, Colorado: Westview Press.

REVIEW OF PUBLICATIONS/TECHNICAL DOCUMENTS (continued)

Peer Reviewer of FEMA How-to-Guides for mitigation planning. Documents include:

Getting Started: Building: Building Support for Mitigation Planning (FEMA 386-1).

Understanding Your Risks: Identifying Hazards and Estimating Losses (FEMA 386-2).

Developing the Mitigation Plan: Identifying Mitigation Actions and Implementation Strategies (FEMA 386-3).

Bringing the Plan to Life: Implementing the Hazard Mitigation Plan (FEMA 386-4).

Integrating Historic Property and Cultural Resource Considerations into Hazard Mitigation Planning (FEMA 386-6).

Peer Reviewer of FEMA Sustainability Guides. Documents include:

Planning for a Sustainable Future: The Link Between Hazard Mitigation and Livability (FEMA 364).

Rebuilding a More Sustainable Future: An Operational Framework. (FEMA 365).

CERTIFICATIONS

American Institute of Certified Planners. American Planning Association. Chicago, Illinois. 2002 to present.

Group and Meeting Facilitation. Orange County Dispute Settlement Center (40-hour course). June 1996.

Mediation. A.A. White Dispute Resolution Institute (40-hour course). University of Houston, College of Business Administration. April, 1995.

TRAINING

Regional and State Mitigation Planning Workshop. FEMA Region IV, Atlanta. April, 2002.

Hazard Mitigation Workshop. Emergency Management Institute, Emmitsburg, Maryland. July 1997.

Managing Flood Plain Development Through the NFIP. Emergency Management Institute. Emmitsburg, Maryland. September, 1996.

MEDIA CORRESPONDENCE

Radio

National Public Radio

Diane Rehm Show, WAMU – "Environmental Outlook: Extreme Weather." September 7, 2010.

Marketplace, "After shelters, some Harvey victims will move to vacant Houston apartments." August 31, 2017.

Mississippi Public Radio – Hurricane Katrina and Governor's Recovery Expo. March 14, 2006.

North Carolina Public Radio, WUNC – Have we been overestimating flood risk on the outer banks?" April 11, 2014.

North Carolina Public Radio, WUNC – "Some N.C. towns struggle to survive a year after Matthew." October 4, 2017.

North Carolina Public Radio, WUNC – "Princeville steps up recovery efforts after Hurricane Matthew. July 20, 2017.

Southern California Public Radio, KPCC Air Talk – In the wake of Harvey and Irma, how money moves through government and into aid relief." September 7, 2017.

North Carolina Public Radio, WUNC The State of Things – "Some NC towns struggle after Matthew." October 4, 2017.

British Broadcasting Corporation, World Service – "Seeking refuge in Houston." September 10, 2017.

WNCU, North Carolina Central University – The Measure of Everyday Life. Hazard Mitigation. December 7, 2016.

WCOM, Chapel Hill, North Carolina – Art, communication and disaster relief.

MEDIA CORRESPONDENCE (continued)

Newsprint

The Guardian – "Experts say it could take Houston years to fully recover from Harvey." August 29, 2017.

New York Times – "A storm forces Houston, the limitless city to consider its limits." August 31, 2017.

New York Times Magazine – "Battle for Biloxi." May 21, 2006.

La Nacion, Buenos Aires, Argentina – "Harvey breaks record of rainfall and worsens disaster." August 31, 2017.

Raleigh, North Carolina News and Observer – "After two floods, historic African-American town could move to higher ground." September 29, 2017.

Raleigh, North Carolina News and Observer – "Some entire towns may become vacant memorials to Matthew." April 21, 2017.

Climate Wire/E&E Publishing – Can a town that has defied history survive climate change?" October 28, 2016.

Climate Wire/Scientific American – "Extreme floods may be the new normal." August 18, 2016.

American Institute for Economic Research – "Hurricane Harvey damages set to break Katrina record." September 12, 2017.

Next City – "In this N.C. town, a model for rebuilding is taking shape." September 21, 2017.

The Daily News Jacksonville/Star-News. "How should Kinston solve its major flooding?" April 6, 2017.

Los Angeles Times. "Katrina Recovery Expo hawks ideas for rebuilding / Mississippians see the latest in homes that resist hurricanes." August 13, 2006.

Orlando Sentinel. "A Mississippi trade show touts designs and materials for disaster survivors." August 13, 2006.

The Baltimore Sun. "Catering to rebuilding. Missisippi event has prefab homes and legal advice for those recovering from hurricane." August 13, 2006.

MEDIA CORRESPONDENCE (continued)

Newspaper

Washington Post. "In Biloxi, recovery is quick – for some." August 27, 2006.

New York Times. "Officials Try to Keep Residents of Flooded Town From Selling Out." October 24, 1999.

Coastal Review Online. "Past Hurricanes Have Led to Tighter Rules." December 9, 2016.

Coastwatch. Winter 2017. North Carolina Sea Grant. "CURRENTS: Identifying Innovative Recovery Strategies."

Television

ABC, Brisbane, Australia – "Dr. Gavin Smith: Interview with Katrina Davidson." August 30, 2016.

NBC affiliate, WRAL, Raleigh, North Carolina – "Design workshop aims at making plans for North Carolina town." August 26 2017.

NBC affiliate, WRAL, Raleigh, North Carolina – "52-acres would add land less flood-prone to Princeville." August 29, 2017.

NBC affiliate, WRAL, Raleigh, North Carolina – "Teams develop plans to make Princeville less vulnerable to flooding." August 29, 2017.

CBS affiliate, WNCN, Raleigh, North Carolina – "Princeville residents get a glimpse of new plans after Hurricane Matthew." August 29, 2017.

CBS affiliate, WNCT, Greenville, North Carolina – "Princeville kickstarts Hurricane Matthew revitalization." August 25h, 2017.

CBS affiliate, WNCT, Greenville, North Carolina – "Princeville wraps up revitalization workshop." August 29, 2017.

CBS affiliate, WNCN, Raleigh, North Carolina – "Princeville partners with design teams to limit flooding in the future." August 29, 2017.

CBS affiliate, WNCN, Raleigh, North Carolina – "Princeville residents get a glimpse of new plans after Hurricane Matthew." August 25, 2017.

ACADEMIC AND PRACTITIONER PANEL PARTICIPATION

White House Frontiers Conference. October, 2016. Pittsburgh, Pennsylvania.

RAND External Evaluation of Research Quality – Justice, Infrastructure and the Environment. August 2016. Washington, D.C.

Institute of Medicine of the National Academies. Committee on Post-Disaster Recovery of a Community's Public Health, Medical, and Social Services. Consultant. January 2014 – April 2015.

University of Florida, Florida Sea Grant. External Peer Review Panel for Research Proposals Submitted to Florida Sea Grant. February 2015 – August 2015.

University of Florida, Florida Sea Grant. External Peer Review Panel for Research Proposals Submitted to Florida Sea Grant. September 2014 – March 2015.

University of Florida, Florida Sea Grant. External Peer Review Panel for Research Proposals Submitted to Florida Sea Grant. February – August 2013.

National Science Foundation, Division of Civil, Mechanical and Manufacturing Innovation. Unsolicited Proposal Panel Member. January 2011.

National Science Foundation, Division of Civil, Mechanical and Manufacturing Innovation. Unsolicited Proposal Panel Member. May 2008.

National Science Foundation, Division of Civil, Mechanical and Manufacturing Innovation. Unsolicited Proposal Panel Member. December 2007.

National Science Foundation, Emergency Management Curriculum Committee. 2003.

ACADEMIC HOST TO VISITING SCHOLARS AND STUDENTS

Department of Homeland Security Coastal Hazards Center. Dr. Walt Peacock, Texas A&M University. Director, Hazards Reduction and Recovery Center. Fall 2014.

Department of Homeland Security Science and Technology Directorate Service Academies Summer Faculty Program. Dr. David LaRivee, United States Air Force Academy. Summer 2014.

Department of Homeland Security Science and Technology Directorate Minority Serving Institution Summer Faculty Program. Dr. Deanna Schmidt, University of Houston at Clear Lake. Summer 2013.

ACADEMIC HOST TO VISITING SCHOLARS AND STUDENTS (continued)

Department of Homeland Security Science and Technology Directorate Minority Serving Institution Summer Faculty Program. Dr. Ashley Ross, Texas A&M Corpus Christi. Summer 2012.

PROFESSIONAL ADVISORY SERVICES

United States Virgin Islands. Addressing Climate Change Adaptation and Resilience through Hazard Mitigation Planning. Governor's Institute on Community Design. February 2017-May 2017.

State of North Carolina Governor Roy Cooper's Transition Team, Department of Public Safety (Emergency Management). 2016.

RESTORE Act Center of Excellence for Louisiana. Water Institute of the Gulf. External Review Board Member. November 1, 2016 – October 31, 2019.

Multi-Hazard Mitigation Council and the National Institute for Building Safety. Mitigation Saves 2.0. Technical Oversight Committee. January 2016-September 2016.

State of Louisiana. Coastal Protection and Restoration Authority. Resiliency Technical Advisory Committee. Louisiana's Comprehensive Master Plan for a Sustainable Coast. December 2014-2017.

State of New Hampshire. Flood Risk Reduction: Repetitive Loss and Mitigation Database Workshop. Governor's Institute on Community Design. January, 2015-June 2015.

Community Planning Assistance Team, American Planning Association. Community Assistance Program. Lyons, Colorado. Post-Disaster Recovery Assistance. Team Leader. January 2013-May 2014.

FEMA Advisory Team. Pre-Disaster Planning Guidance for States, Tribes and Territories (RPPG-STT). Capacity Building Branch, National Disaster Recovery Planning Division (located in the FEMA Recovery Directorate). February 2014-

FEMA Guidance Review Team. Recovery Pre-Disaster Planning Guide for States, Tribes and Territories. Emergency Management Institute. Emmitsburg, Maryland. April 2014.

State of Vermont. US Environmental Protection Agency. Smart Growth Implementation Assistance Project - Disaster Recovery and Long-Term Resilience Planning in Vermont. 2013.

The Mayor's Institute on City Design-South. Coastal Design Studio. Louisiana State University, Baton Rouge, Louisiana. December, 2013.

PROFESSIONAL ADVISORY SERVICES (continued)

Federal Interagency Floodplain Management Task Force. Floodplain Management Policy and Program Investigation: Impacts and Barriers to Federal Programs in Achieving the Goals of Floodplain Management. Advisory Committee, 2012.

US Environmental Protection Agency Urban Resilience Technical Steering Committee. USEPA Global Climate Research Program, 2012.

National Oceanic and Atmospheric Administration Stakeholder Engagement Workshop. Strategic Framework Evaluation of the Coastal Services Center and Office of Coastal Resource Management. Washington, D.C. December, 2012.

Governors' Institute on Community Design: A Workshop on Flood Recovery and Rebuilding. December 2011. Burlington, Vermont.

United States, Department of State. Bureau of International Informational Programs Speaker and Specialist Grant. Philippines and Hong Kong. Hazards Management and Climate Change Adaptation, 2010.

State of Mississippi, Office of the Governor. Governor's Office of Recovery and Reconstruction. Executive Director, 2006-2007.

State of Mississippi Governor's Commission on Recovery, Rebuilding and Renewal. Policy Advisor, 2005.

Multi-Hazard Mitigation Council, National Institute of Building Sciences. Committee on Assessment of Future Savings from Mitigation Activities, technical advisor, 2002.

North Carolina Legislative Study Commission on Disaster Response and Recovery. North Carolina Institute of Disaster Studies Feasibility Study Committee, 2001-2002.

ACADEMIC ADVISORY COMMITTEES

Student Committees

Master's Project Committee, Master's Candidate. Chair. Christian Kamrath. Department of City and Regional Planning, University of North Carolina at Chapel Hill. 2017.

Master's Project Committee, Master's Candidate. Chair. Meredith Burns. Department of City and Regional Planning, University of North Carolina at Chapel Hill. 2017.

Student Committees (continued)

Master's Project Committee, Master's Candidate. Chair. Estefany Noria. Department of City and Regional Planning, University of North Carolina at Chapel Hill. 2017.

Master's Project Committee, Master's Candidate. Kevin Fish. Sanford School of Public Policy. Duke University. 2017.

Master's Project Committee, Master's Candidate. Chair. Darien Williams. Department of City and Regional Planning, University of North Carolina at Chapel Hill. 2016-.

Master's Project Committee, Master's Candidate. Colleen Durfee. Department of City and Regional Planning, University of North Carolina at Chapel Hill. 2016-.

Dissertation Committee. Amanda Whittemore. Department of City and Regional Planning, University of North Carolina at Chapel Hill. 2015-

Master's Project Committee, Master's Candidate. Chair. Ashton Rohmer. Department of City and Regional Planning, University of North Carolina at Chapel Hill. 2015-2017.

Master's Project Committee, Master's Candidate. Chair. Abby Moore. Department of City and Regional Planning, University of North Carolina at Chapel Hill. 2015-2017.

Master's Project Committee, Master's Candidate. Chair. Jamar Nixon. Department of City and Regional Planning, University of North Carolina at Chapel Hill. 2016-2017.

Dissertation Committee, Doctoral Candidate. Kristen Vitro. Department of City and Regional Planning, University of North Carolina at Chapel Hill. 2014-

Dissertation Committee, Doctoral Candidate. Sierra Woodruff. Curriculum for the Environment and Ecology, University of North Carolina at Chapel Hill. Local Climate Change Adaptation Plan Quality and Content in the United States. 2012-2017.

Master's Project Committee, Master's Candidate. Chair. Lea Sabbag. Department of City and Regional Planning, University of North Carolina at Chapel Hill. 2015-2016.

Master's Project Committee, Master's Candidate. Chair. Christina Hurley. Department of City and Regional Planning, University of North Carolina at Chapel Hill. 2015-2016.

Dissertation Committee, Doctoral Candidate (external committee member). Alex Greer. Disaster Science and Management, University of Delaware. Resettlement After Disaster: Case Studies following Hurricane Sandy. 2013-2015.

Student Committees (continued)

Master's Project Committee, Master's Candidate. Chair. Caroline Dwyer. Department of City and Regional Planning, University of North Carolina at Chapel Hill. Building Back Better? A Comparison of Intergovernmental Cooperation Frameworks Influencing Post-Sandy Recovery and Rebuilding in Coastal New Jersey and New York. 2013-2014.

Master's Project Committee, Master's Candidate. Chair. Fayola Jacobs. Department of City and Regional Planning, University of North Carolina at Chapel Hill. Hazard Mitigation Planning and Policy in the Caribbean. 2013-2014.

Master's Project Committee, Master's Candidate. Capstone Committee Member. Rachel Meyerson. Department of Public Administration, University of North Carolina at Chapel Hill. A Tool for Evaluating Plan Quality of Local Government Response Plans. 2011-2012.

Master's Project Committee, Master's Candidate. Chair. Rachel Meyerson. Department of City and Regional Planning, University of North Carolina at Chapel Hill. Assessing the Quality of Disaster Response Plans. 2011-2012.

Dissertation Committee, Doctoral Candidate. Ward Lyles. Department of City and Regional Planning, University of North Carolina at Chapel Hill. Stakeholder Network Influences on Local-Level Hazard Mitigation Planning Outputs. 2010-2012.

Master's Project Committee, Master's Candidate. Co-Chair. Dylan Sandler. Department of City and Regional Planning, University of North Carolina at Chapel Hill. Assessing the Quality of Disaster Recovery Plans. 2011.

Dissertation Committee, Doctoral Candidate (external committee member). Wendy Saunders. Department of Resource and Environmental Planning, Massey University, Manawatu, New Zealand. Innovative Land-Use Planning for Natural Hazard Risk Reduction in New Zealand. 2011.

Faculty Mentoring

Austin Becker, Assistant Professor. Coastal Planning, Policy, and Design. Director, Graduate Programs in Marine Affairs. Departments of Marine Affairs and Landscape Architecture. University of Rhode Island.

PROFESSIONAL BOARDS AND COMMITTEES

University of North Carolina at Chapel Hill Faculty Review Committee – 2018 Mentor Award for Lifetime Achievement

Governor's Hurricane Matthew Advisory Committee-University of North Carolina System

State of North Carolina Risk Management Coordinating Council. Member. 2016-

Southeast Disaster Recovery Partnership. Governor's South Atlantic Alliance. Advisory Committee. 2016-

State of North Carolina Disaster Recovery Task Force. Community Planning and Capacity Building Recovery Support Function Lead. 2016-

Bushfire & Natural Hazards Cooperative Research Centre, International Science Advisory Panel. East Melbourne, Australia. 2016-

Multi-Hazard Mitigation Council and the National Institute for Building Safety. Mitigation Saves 2.0. Technical Oversight Committee. January 2016-

William Averette Anderson Fund (Bill Anderson Fund). Strategic Planning Committee. 2015-

University of Washington Department of Urban Design and Planning, College of Built Environments. Master of Infrastructure Planning and Management Program, Floodplain Management Degree Option Advisory Committee. 2015-

State of Louisiana. Coastal Protection and Restoration Authority. Resiliency Technical Advisory Committee. 2014-

Fayetteville State University, Center for Defense and Homeland Security. Advisory Board Member. 2011-2015

Steering Committee, Hazard Mitigation and Disaster Recovery Planning Division, American Planning Association, Chairman, 2007-

National Hurricane Conference, Mitigation Committee, 1998-

National Building Museum. Designing for Disaster Advisory Council. 2010-2013.

State of North Carolina Emergency Transitions Collaboration Team. 2010-2012

Integrated Hazard Risk Management Committee. North Carolina Division of Emergency Management, 2009-2012

PROFESSIONAL BOARDS AND COMMITTEES (continued)

North Carolina Sea Level Rise Risk Management Committee. North Carolina Division of Emergency Management, 2009-2012

State of Mississippi Hurricane Katrina Renaissance Committee, 2006

Post, Buckley, Schuh and Jernigan Leadership Class of 2005

State Hazard Mitigation and Long-term Recovery Advisory Group, Chair, 1998-2002

North Carolina Floodplain Mapping Initiative Committee, 2000-2002

Institute for Business and Home Safety, Land Use and Mitigation Committee, 2002

North Carolina Floodplain Mapping Initiative Sub-committee, Post-Flood Hazard Verification, Co-Chair, 2000-2002

North Carolina Floodplain Mapping Initiative Sub-committee, Higher Standards, Co-Chair, 2000-2002

North Carolina State Emergency Response Team, 1998-2002

North Carolina Natural Hazards Conference Planning Committee, 2002

Governor's Hurricane Floyd Recovery Issues Team, 1999-2001

National Emergency Management Association, State Hazard Mitigation Officers Committee, 1998-2000

Hurricane Floyd Federal Redevelopment Needs Task Force, 1999-2000

Blue Sky Foundation Steering Committee, 1998-2000

North Carolina Governor's Hurricane Conference Mitigation Committee, Chair, 1999

Hurricane Fran Disaster Recovery Task Force, Emergency Management Liaison, 1996-1998

National Emergency Management Association, Project Impact Subcommittee, 1998

National Emergency Management Association, Accreditation Committee, 1998

MEMBERSHIPS

American Planning Association, 2002- ; American Institute of Certified Planners 2008-

American Planning Association, Hazard Mitigation and Disaster Recovery Planning Division, (founding member, advisory committee) 2015-

National Emergency Management Association, 2000-2008

North Carolina Emergency Management Association, 1999-2002

FELLOWSHIPS/AFFILIATED SCHOLAR

Faculty Fellow. Center for Urban and Regional Studies. University of North Carolina at Chapel Hill. 2008-

Affiliated Scholar. Center for Law, Environment, Adaptation, and Resources. University of North Carolina at Chapel Hill, School of Law. 2014-

Affiliated Faculty, Institute for the Environment. University of North Carolina at Chapel Hill. 2016-

AWARDS

University of North Carolina at Chapel Hill Distinguished Teaching Award for Post-Baccalaureate Instruction. 2017.

Post, Buckley, Schuh and Jernigan. *Associate*. 2004-2008.

Post, Buckley, Schuh and Jernigan, *National Award – Governor's Office of Recovery and Renewal.* 2007.

Environmental Protection Agency, Gulf Guardian Program. *1st Place, Partnership Award – Mississippi Renewal Forum.* 2006.

Federal Emergency Management Agency, Region IV, *Special Recognition Award,* 2002.

Association of State Floodplain Managers, *Tom Lee Award for State Excellence–Platinum Level*, 2001. North Carolina Floodplain Mapping Initiative.

American Institute of Planners / Association of Collegiate Schools of Planning, *Collaborative Project Award*, 2001. North Carolina Hazard Mitigation Planning Initiative.

AWARDS (continued)

National Hurricane Conference, *Outstanding Achievement Award – Mitigation*, 2001.

The Conservation Fund, *Community Champion Award*, 2001.

Federal Emergency Management Agency, *Project Impact State of the Year*, 2000.

North Carolina Department of Crime Control and Public Safety, *Meritorious Service Award*, 2000.

UNIVERSITY COURSES TAUGHT

University of North Carolina at Chapel Hill:

- Natural Hazards Resilience Speaker Series (1 hour) – (Spring 2016, 2017)
- Disaster Recovery Planning Workshop (3 hours) – (Spring 2017); Co-taught with Dr. Mai Nguyen
- Independent Study: Building Resilience to Coastal Hazards in Hawai'i: Strengthening the Post-Disaster Recovery Process (2.5 hours) – (Summer 2016)
- Survey of Natural Hazards and Disasters (3 hours) – (Spring 2015, Spring 2016, Fall 2017)
- Independent Study: The Role of States in Disaster Recovery (3 hours) – (Spring 2016)
- Independent Study: Coastal Economic Resilience (3 hours) – (Spring 2015)
- Planning for Natural Hazards and Climate Change Adaptation (3 hours) – (Fall 2012, 2013, 2014, 2015, 2016)
- Independent Study: Master's Projects (3 hours) – (Spring 2012, Fall 2013, Spring 2015)
- Special Topics: Disaster Recovery Planning (3 hours) – (Spring 2002)

University of Hawaii at Manoa:

- Disaster Recovery Planning Seminar (Summer 2012, 2013)
- Disaster Recovery Planning Seminar (Summer 2014 – Bandung Institute of Technology, Bandung, Indonesia.

Venice International University in Partnership with Duke University:

- Environmental Management in a Changing World: Coping with Sea Level Rise (Summer 2016 – one-week summer course in Venice, Italy).

Guest lecturer in college and university courses in the United States and abroad (see college and university guest lectures and presentations section)

PROFESSIONAL TRAINING COURSES TAUGHT

National Disaster Preparedness Training Center, University of Hawaii

- Advanced Disaster Recovery Strategies for Local Communities (8-hour course)
    - Fall 2015 – Raleigh, North Carolina.
    - Spring 2016 – Warwick, Rhode Island; Phoenix, Arizona.

EXTERNALLY FUNDED RESEARCH AND ADVISORY SERVICES

* = project funded as part of $15,250,000 Department of Homeland Security grant.
** = project funded as part of $20,000,000 Department of Homeland Security grant.

North Carolina Division of Emergency Management. Hurricane Matthew Disaster Recovery and Resilience Initiative. $251,979. September 2017 – February 2018.

United States Department of Homeland Security, Science and Technology Directorate. First Responder Group – Flood Apex Program. Assessing Resilience through an Analysis of Hurricane Floyd Recovery and its Effect Following Hurricane Matthew in North Carolina. $300,000. January 2017 – December 2017.

University of North Carolina at Chapel Hill. Hurricane Matthew Disaster Recovery and Resilience Initiative. $340,602. January 2017 – December 2017.

North Carolina Division of Emergency Management. Hurricane Matthew Disaster Recovery and Resilience Initiative. $274,364. January 2017 – September 2017.

Governor's Institute on Community Design. United States Virgin Islands. Addressing Climate Change Adaptation and Resilience through Hazard Mitigation Planning. $3,000. February 2017 – May 2017.

RESTORE Act Center of Excellence for Louisiana. Water Institute of the Gulf. External Review Board Member. $12,500. November 1, 2016 – October 31, 2019.

Multi-Hazard Mitigation Council and the National Institute for Building Safety. Mitigation Saves 2.0. Technical Oversight Committee. $7,500. January 2016-September 2016.

United States Department of Homeland Security, Science and Technology Directorate in partnership with the White House. Resilient Design Education Study. $50,000. PI. Period of Performance: October 1, 2016 – August 30, 2017.**

United States Department of Homeland Security, Science and Technology Directorate. Science and Engineering Workforce Development Fellowship. Coastal Resilience Center of Excellence. $208,850. PI. Period of Performance: July 1, 2016 – June 30, 2018.**

United States Department of Homeland Security, Science and Technology Directorate. Coastal Resilience Center of Excellence. $808,000. PI. Period of performance: August 1, 2015 – July 30, 2017.**

Department of Homeland Security, Science and Technology Directorate. Expanding Coastal Resilience at UNC. PI. $208,850. Period of performance: August 1, 2015 – July 30, 2017.**

EXTERNALLY FUNDED RESEARCH AND ADVISORY SERVICES (continued)
* = project funded as part of $15,250,000 Department of Homeland Security grant.
** = project funded as part of $20,000,000 Department of Homeland Security grant.

United States Department of Homeland Security, Science and Technology Directorate. Coastal Resilience Center of Excellence. $20,000,000. Co-PI. Period of performance: July 1, 2015 – June 30, 2020.**

United States Department of Homeland Security, Science and Technology Directorate. Expanding Coastal Resilience Education at UNC. PI. $391,000. Period of Performance: July 1, 2015 – June 30, 2020.**

State of Louisiana. Coastal Protection and Restoration Authority. 2017 Coastal Master Plan Resiliency Technical Advisory Committee. $18,000. Period of Performance: January 1, 2015 – December 31, 2016.

Department of Homeland Security, Science and Technology Directorate. The Role of the State in Disaster Recovery: A Comparative Analysis of Gubernatorial Leadership and State Agency Official Engagement, Collaboration and Capacity Building. PI. $60,000. PI. Period of performance: July 1, 2014 – June 30, 2015.*

Department of Homeland Security, Science and Technology Directorate. Course Development and Teaching at UNC-CH. PI. $30,000. Period of performance: July 1, 2014 – June 30, 2015.*

LMI Research Institute. $35,223. PI. Measuring Successful Disaster Recovery. Period of Performance: October 1, 2014 – September 30, 2015.

United States Department of Homeland Security, Science and Technology Directorate. Co-PI. $14,508,322. Period of performance: July 1, 2008 – June 30, 2015.*

Federal Emergency Management Agency. The Role of the State in Disaster Recovery: A Comparative Analysis of Gubernatorial Leadership and State Agency Official Engagement, Collaboration and Capacity Building. PI. $30,000. Period of Performance: October 1, 2014 – May, 2015.

National Academies, Institute of Medicine. The Institute of Medicine's Committee on Post-Disaster Recovery of a Community's Public Health, Medical and Social Services. Disaster Recovery Funding: Achieving a Resilient Future? Washington, D.C. PI. $10,000. Period of performance January, 2013 – July, 2014.

United States Department of Homeland Security, Science and Technology Directorate. Hazard Mitigation Planning. Co-PI. $695,002. Period of performance: July 1, 2008 – June 30, 2014.*

EXTERNALLY FUNDED RESEARCH AND ADVISORY SERVICES (continued)
* = project funded as part of $15,250,000 Department of Homeland Security grant.

Department of Homeland Security, Science and Technology Directorate. Course Development and Teaching at UNC-CH. PI. $46,282. Period of Performance: July 1, 2013 – June 30, 2014.*

National Disaster Preparedness Training Program, University of Hawaii at Manoa. Disaster Recovery Course Development, Pilot Testing and Delivery of NDPTC Training Courses. PI. $116,682. Period of performance: August 2013 – June 2014.

Federal Emergency Management Agency. Hurricane Sandy: Field Testing of Recovery Indicators. PI. $165,853. Period of performance: October 1, 2013 – June 30, 2014.

United States Department of Homeland Security, Science and Technology Directorate. Career Development Grant Fellowship. Coastal Resilience Center of Excellence. $225,000. PI. Period of Performance: July 1, 2013 – June 30, 2014.*

Environmental Protection Agency and Federal Emergency Management Agency. Smart Growth Implementation Assistance Project Disaster Recovery and Long-Term Resilience Planning in Vermont. PI. $80,480. Period of performance: September 2012 – December 2013.

The Mayor's Institute on City Design-South. Coastal Design Studio. Louisiana State University, Baton Rouge, Louisiana. PI. $500. Period of performance: December, 2013.

Department of Homeland Security, First Responder Group. Disaster Recovery Indicators Project. Co-PI. $99,850. Period of performance: December 1, 2012 – August 31, 2013.

Department of Homeland Security, Science and Technology Directorate. Comparative Household Resilience. PI. $15,664. Period of Performance: July 1, 2012 – June 30, 2013.*

Department of Homeland Security, Science and Technology Directorate. Aggregate Flood Hazard Risk Scoping Project. PI. $70,751. Period of performance: July 1, 2012 – June 30, 2013.*

Department of Homeland Security, Science and Technology Directorate. Course Development and Teaching at UNC-CH. PI. $22,756. Period of performance: July 1, 2012 – June 30, 2013.*

National Disaster Preparedness Training Program and the Department of City and Regional Planning. University of Hawaii at Manoa. Summer School, Lecturer. PI. $2,000/summer. Period of performance: June 2012, 2013.

North Carolina Division of Emergency Management. Climate Change Adaptation Guide. PI. $40,374. Period of performance: June 1, 2012 – May 31, 2013.

EXTERNALLY FUNDED RESEARCH AND ADVISORY SERVICES (continued)
* = project funded as part of $15,250,000 Department of Homeland Security grant.

North Carolina Division of Emergency Management. North Carolina Sea Level Rise Study. PI. $145,000. Period of performance: September 2011– November 2012.

United States Department of Homeland Security, Science and Technology Directorate. Applying Plan Quality Principles to State Disaster Recovery Planning. PI. $90,000. Period of performance: July 1, 2011 – June 30, 2012.*

National Science Foundation. Workshop on the Theory of Recovery. Co-PI. $ 45,060. Period of performance: June 2010 – February 2012.

Federal Emergency Management Agency. An Evaluation of the Floodplain Management Plans under the Community Rating System of the National Flood Insurance Program. Co-PI. $140,000. Period of performance: May 2010 – November 2011.

Public Entity Risk Institute. Book Author. $75,000. *Planning for Post-Disaster Recovery: A Review of the United States Disaster Assistance Framework.* Period of performance: June 2007 – September 2011.

Institute for Homeland Security Solutions. PI. $149,999. Assessing the State of North Carolina's Recovery Plan. Award Number 2-312-0211772. Period of performance: June 1, 2010 – May 31, 2011.

United States, Department of State. Bureau of International Informational Programs Speaker and Specialist Grant. PI. $2,000. Philippines and Hong Kong. Hazards Management and Climate Change Adaptation. Period of performance: May, 2010.

State of Mississippi, Office of the Governor. $1,000,000. Project Manager. Period of performance: 2006 – 2007.

State of Mississippi, Office of the Governor. $236,000,000. Congressional Appropriation. Mississippi Alternative Housing Program. 2006. Lead Grant Writer.

CONGRESSIONAL and LEGISLATIVE TESTIMONY

U.S. House of Representatives Testimony. House Select Committee on Hurricane Katrina. Subcommittee on Housing and Community Opportunity. Gulfport, Mississippi. January, 2006.

U.S. Senate Testimony. Senate Homeland Security and Governmental Affairs Committee. Hurricane Katrina. Gulfport, Mississippi. January 2006.

CONGRESSIONAL and LEGISLATIVE TESTIMONY (continued)

North Carolina Legislative Study Commission on Disaster Response and Recovery. February, 2002. *Long-Term Recovery and Mitigation.*

North Carolina Legislative Research Commission, Hurricane Floyd Recovery. Raleigh, North Carolina. September, 2000. Hazard Mitigation.

CONGRESSIONAL, LEGISLATIVE and COMMITTEE BRIEFINGS

American Meteorological Association. Congressional Briefing. November 2017. Washington, D.C. *Resiliency Policy*.

National Academies, Institute of Medicine. The Institute of Medicine's Committee on Post-Disaster Recovery of a Community's Public Health, Medical and Social Services. January 2014. Washington, D.C. *Community Planning and Disaster Recovery*.

Disasters Roundtable, National Research Council / National Academies. July 2012. Washington, D.C. *What are the Seminal Pieces of Legislation that Affect Integrated Recovery?* Panel Member.

Disasters Roundtable, National Research Council / National Academies. July 2012. Washington, D.C. Disaster Recovery: *Overview of the Legislative and Legal Landscape.*

National Academies Disasters Roundtable and National Academy of Environmental Design. Disaster Resilient Design Workshop. October, 2010. Washington, D.C. *Key Factors Influencing the Integration of Disaster Resilient Design and Sustainable Development Principles into Pre- and Post-Event Hazards Management Planning.* Panel Member.

Rebuilding for Resilience: How Science and Engineering Can Inform Haiti's Reconstruction. National Science and Technology Council Subcommittee on Disaster Reduction. *Assessing the Disaster Recovery Assistance Framework: Planning for Post-disaster Recovery.* Miami Florida, March 22, 2010. Panel Member.

Disasters Roundtable, National Research Council / National Academies. February 2009. Irvine, California. Cascading Disasters: How Disasters Unfold. *Achieving Sustainability in Recovery Strategies*. Panel Member.

New Zealand National Security Council. *Emergency Housing and Disaster Recovery*. July 2008.

University of North Carolina, Program on Public Life. Briefing for Members of the North Carolina General Assembly. May 28, 2008. *North Carolina's Challenges in Preparing for Natural Hazards and Disasters*.

CONGRESSIONAL, LEGISLATIVE and COMMITTEE BRIEFINGS (continued)

Disasters Roundtable, National Research Council / National Academies. October 2007. Washington, D.C. Recovery from Disaster. *Status of Recovery in Mississippi Since Hurricane Katrina.* Panel Member.

Government Accounting Office. Senate Homeland Security and Governmental Relations Committee. July 2007. *Improving Disaster Recovery.* Phone Interview.

National Institute of Building Sciences. Board of Directors Meeting. Washington, D.C. May 2007. *The Potential Role of NIBS in the Field of Hazards Management.*

Disasters Roundtable, National Research Council / National Academies. March 2007. Washington, D.C. Protecting Lives and Property at our Coastlines: It's More than Katrina. *Coastal Hazard Impacts and Nationwide Economic Ripples.* Panel Member.

Congressional Briefing of the Natural Hazards Caucus, National Research Council / National Academies. Washington, D.C. March 2007. *Coastal Hazards Roundtable.*

National Science Foundation. Katrina 2006 Research Symposium – Social Science Research of the Katrina Aftermath. New Orleans, Louisiana. November 2006. *Proposed Model of Disaster Recovery and its Application Following Hurricane Katrina in Mississippi.*

National Homebuilders Association Conference. Orlando, Florida. March 2006. News Conference on Hurricane Katrina Housing Recovery.

Emergency Management Accreditation Program Review. Raleigh, North Carolina. January, 2002. *The North Carolina Response to Review Committee Findings.*

Heinz Center for Science, Economics and the Environment, Coastal Symposium. Human and Environmental Links to Natural Disasters: Strengthening Coastal Communities. Raleigh, North Carolina. May, 2001. *Hurricane Floyd: it's Impact on Communities in North Carolina.*

National Emergency Management Association, Mid-Year Conference. Washington, D.C. February, 2001. *Briefing of the North Carolina Congressional Delegation.*

National Emergency Management Association, Mid-Year Conference. Washington, D.C. February, 2000. *Briefing of the North Carolina Congressional Delegation.*

National Emergency Management Association, Mid-Year Conference. Washington, D.C. February, 1999. *Briefing of the North Carolina Congressional Delegation.*

CONGRESSIONAL, LEGISLATIVE and COMMITTEE BRIEFINGS (continued)

National Emergency Management Association, Mid-Year Conference. Washington, D.C. February, 1998. *Briefing of the North Carolina Congressional Delegation.*

National Emergency Management Association, Mid-Year Conference. Washington, D.C. February, 1998. *Presentation of findings, NEMA Project Impact Subcommittee.*

COLLEGE and UNIVERSITY GUEST LECTURES and PRESENTATIONS
*** = invited speaker**

Rethinking Flood Analytics Colloquium. Coastal Resilience Center of Excellence. University of North Carolina at Chapel Hill. *Hurricane Matthew Recovery and Resilience Initiative: Linking Research, Data, and Community Engagement in Disaster Recovery Policy and Planning*. Chapel Hill, North Carolina. November, 2017.

HBCU Flood and Hurricane Meeting. Tougaloo College. *Hurricane Matthew Recovery in Small North Carolina Communities*. Jackson, Mississippi. July, 2017.*

University of North Carolina System Economic Transformation Council. *Hurricane Matthew Disaster Recovery and Resilience Initiative.* Chapel Hill, North Carolina. July, 2017.*

42nd Annual Natural Hazards Research and Applications Workshop. Association of State Floodplain Managers Foundation Larry Larson Speaker Series. Broomfield, Colorado. July, 2017.*

42nd Annual Natural Hazards Research and Applications Workshop. *Big Lights, Big Cities, and Big Plans for Disaster Resilience*. Broomfield, Colorado. July, 2017.*

Tougaloo College. Disaster Coastal Studies Research Symposium. *Hurricane Matthew Disaster Recovery and Resilience Initiative: Linking Research and Practice.* April, 2017.*

North Carolina State University. Hurricane Matthew DesignWeek. *Disasters and Design: Tools and Techniques to Advance Resilience.* January, 2017.*

Macquarie University. *Adapting to Climate Change: International Lesson Drawing from Natural Hazards Planning in Venice, Italy and US Coastal Communities.* August, 2016.*

RMIT University. *Adapting to Climate Change: Lessons from Natural Hazards Planning.* August, 2016.*

Global Water Resource and Climate Resiliency. Duke University. *Issues and Opportunities to Advance Resilience through Natural Hazards Risk Management*. February, 2016.*

COLLEGE and UNIVERSITY GUEST LECTURES and PRESENTATIONS (continued)
*** = invited speaker**

Center for Coastal Physical Oceanography and Mitigation and Adaptation Research Institute Seminar Series. Old Dominion University. *Planning for Natural Hazards and Climate Change Adaptation*. January, 2016.*

Department of Political Science Fire and Emergency Management Program. Oklahoma State University. Disaster Mitigation class lecture. *State and Local Hazard Mitigation Planning*. November, 2015.*

University of North Carolina at Chapel Hill. Department of City and Regional Planning. Planning For All Seminar. *Planning for Natural Hazards and Climate Change Adaptation: Lessons in Engagement and Equity*. October 2015.*

Global Public Health Opportunities and Challenges in Conflict Settings and Complex Emergencies–A Learning Symposium. University of North Carolina at Chapel Hill. *The Role of Alternative Dispute-Resolution Techniques in Disaster Recovery: Lessons from Research and Practice*. October, 2015.*

40th Annual Natural Hazards Research and Applications Workshop. Broomfield, Colorado. Hurricane Katrina Plenary Session. *Disaster Recovery in Mississippi: Lessons from Research and Practice*. July, 2015.*

40th Annual Natural Hazards Research and Applications Workshop. Broomfield, Colorado. Disaster Recovery Health Impact Assessments Panel. *Key Dimensions of Disaster Recovery and their Relevance to Public Health*. July, 2015.*

International Research Committee on Disasters Annual Meeting. Broomfield, Colorado. Climate Change Adaptation Panel. *Adapting to Climate Change: Lessons from Natural Hazards Planning*. July, 2015.

Center for Law, Environment, Adaptation and Resources Workshop on Private Sector Climate Change Adaptation. University of North Carolina at Chapel Hill. Private Property, Climate Information Disclosure, and the Role of Insurance and Government. *Need for Data and Use of Data – Refining Methodologies for Better Reliability of Risk Data*. March, 2015.*

Hurricanes, Major Disasters, Coastal Protection, and Rapid Recovery in Texas and the Gulf Coast Region. 6th Annual Texas Hurricane Center Conference. University of Houston. *The Role of the State in Disaster Recovery: A Comparative Analysis of Gubernatorial Leadership and State Agency Official Engagement, Collaboration and Capacity Building*. August, 2014.*

COLLEGE and UNIVERSITY GUEST LECTURES and PRESENTATIONS (continued)
*** = invited speaker**

University of North Carolina, Institute for Defense and Business. Strategic Fellows Program. Disaster Response and Recovery Program Panel. *Disaster Recovery and the Role of the Military*. June, 2014.*

Bandung, Institute of Technology, Department of City and Regional Planning. Bandung, Indonesia. *Lesson Drawing from Disaster Recovery in the United States.* June, 2014.*

Global Research Institute Seminar Series. University of North Carolina at Chapel Hill. *Adapting to Climate Change: Lessons from Natural Hazards Planning.* April, 2014.*

University of North Carolina Climate Change Symposium. University of North Carolina at Chapel Hill. *Linking Climate Change Adaptation and Natural Hazards Management Through Planning*. April, 2014.*

North Carolina State University, College of Design. Coastal Dynamics course. *Disasters and Design: The Role of Planning and Architecture in Hazard Mitigation and Disaster Recovery*. April, 2014.*

Cities, Rivers and Cultures of Change: Rethinking and Restoring the Environments of the Global American South. University of North Carolina at Chapel Hill. February, 2014. *Disasters in the American South: Socio-Cultural, Ecological, and Economic Conditions that Presage Extreme Events and Influence Recovery Outcomes.*

Environmental Studies Capstone Course, Vulnerability Assessment of Beaufort County, North Carolina. University of North Carolina at Chapel Hill. February, 2014. *Belhaven, North Carolina: The Elevation of a Vulnerable Coastal Town.**

Yale Urban Ecosystems Services Symposium. January, 2014. Yale University. *Coastal Adaptation and Resilience to Storm Events and Sea Level Rise*.*

Disaster Recovery Planning Course, University of Colorado at Denver. January, 2014. *Planning for Disaster Recovery: Challenges and Opportunities: An Institutional Perspective*.*

The Mayor's Institute on City Design-South. December, 2013. Louisiana State University. *The Role of Planning and Design in Creating Disaster Resilient Communities*.**

National Strategic Maritime Risk Stakeholder Alliance Meeting. November, 2013. Purdue University. Panel: Climate Change, Natural Disaster, and the Maritime Environment. *Adapting to Climate Change: Lessons from Natural Hazards Planning*. Moderator and panel member.*

COLLEGE and UNIVERSITY GUEST LECTURES and PRESENTATIONS (continued)
*** = invited speaker**

Louisiana State University, Coastal Sustainability Studio Webinar Series. September, 2013. Louisiana State University Coastal Sustainability Studio. *Reducing Risk through Ordinances, Codes and Design: The Integrative Role of Planning*.*

Department of City and Regional Planning Faculty Research Seminar. October, 2013. University of North Carolina at Chapel Hill. *Adapting to Climate Change: Lessons from Natural Hazards Planning*.*

Workshop on Urban Planning for Climate Events. September, 2013. Rutgers University, Center for Discrete Mathematics and Theoretical Science and the Command, Control, and Interoperability Center for Advanced Data Analysis. *Adapting to Climate Change: Lessons from Natural Hazards Planning.**

38th Annual Natural Hazards Research and Applications Workshop. Broomfield, Colorado. July 2013. *Assessing the Quality of State and Local Hazard Mitigation Plans in the United States: Findings, Policy Implications and Proposed Solutions.*

38th Annual Natural Hazards Research and Applications Workshop. Broomfield, Colorado. July, 2013. Panel: Integrating Climate Adaptation into Federal Policy. *Adapting to Climate Change: Lessons from Natural Hazards Planning*.

5th Annual Texas Hurricane Conference. Houston, Texas. July, 2013. University of Houston, Texas Hurricane Center for Innovative Technology. *Climate Change Adaptation and Natural Hazards Risk Management*.*

University of Hawaii. Natural Disaster Preparedness Center. June, 2013. Visiting Instructor in team taught course. PLAN 740 Disaster Recovery: Concepts, Policies and Approaches.*

University of Houston at Clear Lake. Clear Lake City, Texas. April, 2013. *The Geography of Natural Hazards and Disasters: Case Studies of Mississippi and North Carolina following Major Disasters.**

Harvard University, Graduate School of Design. Cambridge, Massachusetts. April, 2013. *Lessons from Natural Hazards Planning: Adapting to Climate Change.**

Harvard University, Graduate School of Design. Cambridge, Massachusetts. March, 2013. GSD 5342. Creating Resilient Cities. Class lecture. *Disaster Recovery and the Role of the Planning and Design Community.**

COLLEGE and UNIVERSITY GUEST LECTURES and PRESENTATIONS (continued)
*** = invited speaker**

Duke University Center for International Development, Sanford School of Public Policy. Durham, North Carolina. Kunshan Young Leaders' Program on Economic Upgrading & Transformation and Modern Service Business. October, 2012. *Recovery and Risk Reduction: Two Approaches to Infrastructure Planning Post-Disaster. Lessons for Kunshan City, China.**

Duke University Center for International Development, Sanford School of Public Policy. Durham, North Carolina. September, 2012. *Coastal Resilience in the Age of Climate Change: Disaster Recovery Planning Across Infrastructure, Community and Government, Lessons for Fujian Province, China.**

Duke University Center for International Development, Sanford School of Public Policy. Durham, North Carolina. September, 2012. *Infrastructure Planning and Disaster Recovery: A Case Study of the Houston, Galveston Bay Area after Hurricane Ike, Lessons for Fujian Province, China.**

4th Annual Texas Hurricane Conference. Hurricanes, Major Disasters, Coastal Protection and Rapid Recovery in Texas and the Gulf Coast Region. University of Houston. Houston, Texas. August, 2012. *Housing Recovery and Resilience: Assessing the Constraints and Facilitators of Post-Disaster Housing Recovery in Vulnerable Coastal Communities*.*

Institute for Defense and Business, University of North Carolina. Chapel Hill, North Carolina. Strategic Fellows Program. July, 2012. *Planning for Post-Disaster Recovery*.*

37th Annual Natural Hazards Research and Applications Workshop. Broomfield, Colorado. July, 2012. Panel: An Assessment of the Quality of Local Hazards Mitigation Plans. *Local Mitigation Planning: Better Plans, More Resilient Communities*?*

37th Annual Natural Hazards Research and Applications Workshop. Broomfield, Colorado. July 2012. *Planning for Post-Disaster Recovery: a Review of the United States Disaster Assistance Framework.**

University of Hawaii. Natural Disaster Preparedness Center. June, 2012. Guest Lecture and Workshop: Summer Program. *Planning for Post-Disaster Recovery: A Review of the United States Disaster Assistance Framework.**

Texas A&M University at Galveston Speaker Series. Galveston, Texas. April 5, 2012. *Planning for Post-Disaster Recovery: A Review of the United States Disaster Assistance Framework.**

COLLEGE and UNIVERSITY GUEST LECTURES and PRESENTATIONS (continued)
*** = invited speaker**

University of Vermont Law School. April, 2012. After Irene: Law and Policy Lessons for the Future. *Dealing with Disaster in the Era of Climate Change*.*

Duke University. Durham, North Carolina. February, 2012. Course title: Natural Disasters: Policy, Planning and Politics. *The Role of Planning and Design in Disaster Recovery.**

Mississippi College, School of Law. Jackson, Mississippi. November, 2011. *The Role of Law and Policy in Hazard Mitigation and Disaster Recovery*.*

Harvard University Graduate School of Design. Cambridge, Massachusetts. October, 2011. *The Role of Planning and Design in Disaster Recovery*.*

Harvard University Graduate School of Design. Cambridge, Massachusetts. October, 2011. *Pre-Event Planning for Post-Disaster Recovery.**

Virginia Polytechnic University Research Center. Arlington, Virginia. September, 2011. Second Conference on Community Resiliency. Technology, Policy and Resiliency: Moving Resiliency from Concept to Reality. *Planning for Post-Disaster Recovery.* Panel Member, Dimensions of Resilience.*

Hazards Research and Applications Workshop. Broomfield, Colorado. July, 2011. *Planning for Post-Disaster Recovery: A Review of the United States Disaster Recovery Assistance Framework.* Panel Member, Theorizing Disaster Recovery.*

The Hong Kong Polytechnic University. Hong Kong. May, 2010. *Building a Multi-disciplinary Research Center: Lessons and Opportunities for Collaboration.**

City University of Hong Kong. Hong Kong. May, 2010. *Climate Change Adaptation and Hazard Mitigation.**

Chinese University of Hong Kong. Hong Kong. May, 2010. *Hazards Management and Climate Change Adaptation.**

Hong Kong University of Science and Technology. May, 2010. *Hazards Management and Climate Change Adaptation.**

Hazards Research and Applications Workshop. Boulder, Colorado. July, 2009. *Long-Term Recovery: A Neglected Component of Emergency Management.* Panel Member.*

Hazards Research and Applications Workshop. Boulder, Colorado. July, 2009. *Bridging the Gap: Where's the Applied Multidisciplinary Research?* Moderator.*

COLLEGE and UNIVERSITY GUEST LECTURES and PRESENTATIONS (continued)
*** = invited speaker**

University of New Orleans. New Orleans, Louisiana. June, 2009. *Observations on Recovery: Presentation to Long-Term Recovery Research Panel*.*

International Research Committee on Disasters Researchers Meeting. Boulder, Colorado. May, 2009. *The Disaster Recovery Assistance Framework: Planning for Recovery.**

Hazards Research and Applications Workshop. Boulder, Colorado. July, 2008. *Recovery from Catastrophic Events: Katrina and other Potential Catastrophes.* Plenary Session.*

Hazards Research and Applications Workshop. Boulder, Colorado. July, 2008. *Research from The Department of Homeland Security Centers of Excellence.* Panel Member.*

Massey University. Palmerstown North, New Zealand. July, 2008. *The United States Disaster Recovery Framework: Observations and Recommendations for Improvement.**

University of North Carolina at Chapel Hill. Chapel Hill, North Carolina. March, 2008. The Center for the Study of the American South. Panel Presentation. *Disaster Recovery in Mississippi: The Application of Research to Practice*.*

Duke University. Durham, North Carolina. February, 2008. Triangle Center on Terrorism and Homeland Security. *Creating a New Disaster Assistance Framework: The Role of Planning and Policy*.*

Hazards Research and Applications Workshop. Boulder, Colorado. July, 2007. *The Role of Planners in the Rebuilding Process.* Panel Member.*

The Hazards and Disaster Researchers Meeting. Boulder, Colorado. July, 2007. Plenary Session Preparing for the Best and Worst of Times. *A Review of the United States Disaster Assistance Framework: Planning for a Sustainable Recovery.* Moderator and Panel Member.*

Texas A&M University, College of Landscape Architecture and Urban Planning Lecture Series. College Station, Texas. October, 2006. *The Role of Planning and Design in Sustainable Disaster Recovery.**

Carl Small Town Center. Mississippi State University College of Architecture, Art and Design. Mississippi Gulf Coast Your Town Citizens' Institute on Rural Design Workshop. Biloxi, Mississippi. October, 2006. Opening Remarks. *Rebuilding the Mississippi Gulf Coast Using Sustainable Development Principles.**

COLLEGE and UNIVERSITY GUEST LECTURES and PRESENTATIONS (continued)
*** = invited speaker**

University of North Carolina at Chapel Hill. Center for Urban and Regional Studies Symposium. Chapel Hill, North Carolina. October, 2006. *The Application of a Proposed Model of Disaster Recovery Following Hurricane Katrina in Mississippi.**

Mississippi Institutions of Higher Learning. Mississippi Economic Outlook Conference. October, 2006. *Economic Impacts and Opportunities in Recovery Following Hurricane Katrina.**

Hazards Research and Applications Workshop. Boulder, Colorado. July, 2006. Plenary Session. *Proposed Model of Disaster Recovery and its Application Following Hurricane Katrina in Mississippi.**

University of Mississippi, School of Business Insurance Symposium. Oxford, Mississippi. April, 2006. *The Role of Insurance in Disaster Recovery*.*

Seminar: Land Use and Sprawl. University of North Carolina at Chapel Hill, Department of City and Regional Planning. September, 2005. *Hazards, Disasters and Land Use: Comparing Hurricane Floyd and Katrina.* Guest lecturer.*

University of Washington, Seattle, Washington. January, 2005. Symposium 2005: Best Practices in Risk Reduction for Colleges and Universities. *Creating a Disaster Resistant University: A Proposed Approach.**

North Carolina Institute of Disaster Studies. Raleigh, North Carolina. November, 2004. *Determining Disaster Data Needs for a Multi-Stage, Multi-Disaster Context.* Workshop Facilitator.*

Chungbuk National University Emergency Management Workshop. *Provincial and Local Emergency Management Roles in Korea*. Cheongju, South Korea. October, 2004.*

Department of Public Administration, Chungbuk National University. Cheongju, South Korea. October, 2004. *Roles and Responsibilities of State and Local Emergency Management Officials in the United States*. Guest lecturer.*

Virginia Mitigation Summit. Charlottesville, Virginia. June, 2004. *Mitigation and Community Sustainability.**

Virginia Mitigation Summit. Charlottesville, Virginia. June, 2004. *Guiding Principles for the Quality Redevelopment of Eastern North Carolina.**

COLLEGE and UNIVERSITY GUEST LECTURES and PRESENTATIONS (continued)
*** = invited speaker**

The State of Hazards Research, Instruction and Outreach in North Carolina: Setting an Agenda for the Institute of Disaster Studies. East Carolina University, Greenville, North Carolina. May, 2003. *Linking Research and Practice: the Role of Academia in Emergency Management*.*

27th Annual Hazards Research and Applications Workshop. Boulder, Colorado. July, 2002. *Roundtable on Land Use as a Mitigation Tool and the 10 Most Needed Research Questions*.*

Coastal Zone Management. Texas A&M University, Department of Wildlife and Fisheries Science. April, 2002. *Hazard Mitigation Planning in the Coastal Zone*. Guest lecturer.*

Disaster Recovery Engineering. University of North Carolina, Charlotte, School of Engineering. April, 2002. *Inter-organizational Relationships and Policy Making: Key Factors Shaping Disaster Recovery in North Carolina and the Nation. Presentation of Preliminary Findings*. Guest lecturer.*

26th Annual Hazards Research and Applications Workshop. Boulder, Colorado. July, 2001. *Shifts in Hazard Management in the 21st Century.**

East Carolina University Hazards Conference. Of People, Places and Progress: Extended Recovery on the Coastal Plain. Greenville, North Carolina. May, 2001. *Decision-making on the Coastal Plain: the Sociopolitical Context*.*

New Directions in Hazard Mitigation: Breaking the Disaster Cycle. University of North Carolina at Chapel Hill, Department of City and Regional Planning. April, 2001. *The Disaster Mitigation Act of 2000.* Guest lecturer.*

New Directions in Hazard Mitigation: Breaking the Disaster Cycle. University of North Carolina at Chapel Hill, Department of City and Regional Planning. January, 2001. *Implementing Mitigation and Recovery at the State Level.* Guest lecturer.*

25th Annual Hazards Research and Applications Workshop. Boulder, Colorado. July, 2000. *Measuring Mitigation Successes.* Panel member.*

23rd Annual Hazards Research and Applications Workshop. Boulder, Colorado. July, 1998. *Hazard Mitigation Planning.* Panel member.*

CONFERENCE and WORKSHOP PRESENTATIONS
*** = invited speaker**

American Meteorological Association. *Resiliency Policy*. Washington, D.C. November 2017. Panel.*

Leadership North Carolina Government Session. Class of XXV. *Local Governments and Disasters*. Raleigh, North Carolina. November 2017. Moderator.*

American Institute of Architects, North Carolina Chapter. *Disasters and Design in an Era of Climate Change*. Rocky Mount, North Carolina. November 2017. Keynote.*

Big City Emergency Managers Conference. *Lessons Learned from Recent Hurricanes*. Washington, D.C. October 2017. Panel.*

American Society of Landscape Architects. Resilient by Design: Building Better in Response to Rising Waters. *Resilience Thinking: Introduction to Hazard Mitigation and Risk Reduction in Design*. Los Angeles, California. October 2017. Panel.*

Carolina Public Humanities. UNC College of Arts and Sciences. Flyleaf Books, Chapel Hill North Carolina. *Natural Disasters and Social Vulnerability: A Global and Local Perspective*. October 2017.*

North Carolina Chapter of the American Planning Association Annual Conference. *Planning for Natural Hazards and Climate Change Adaptation*. Greenville, North Carolina. September 2017. Keynote.*

Research Driving Change. Showcase 2017. Bushfire and Natural Hazards Cooperative Research Centre *Resilience Research Centres: An International View*. Adelaide, Australia. July 2017. Panel.*

North Carolina's Coastal Conference. North Carolina Sea Grant. Raleigh, North Carolina. April 2017. Opening Session Panel.*

North Carolina's Coastal Conference. North Carolina Sea Grant. Raleigh, North Carolina. April 2017. Closing Session Panel.*

Urban Sustainability Directors Network, Coastal Preparedness User Group. *Mapping Tools and Community Resilience: Challenges and Opportunities in an Era of Climate Change.* December, 2016. Panel member.*

CONFERENCE and WORKSHOP PRESENTATIONS
*** = invited speaker**

Principles for Preparing a Community's Disaster Recovery Plan. American Planning Association, Hazard Mitigation and Disaster Recovery Planning Division. *Planning for Post-Disaster Recovery: Key Concepts and Issues that Should Inform Practice*. September 23, 2016. Panel member.*

Enhancing Governance through Research: The Role of Research and Analysis in Storm Recovery and Resiliency Planning. Rockefeller Institute of Government, SUNY in Storm Recovery and Resiliency Planning, within the Governor's Office of Storm Recovery, New York State. October, 2016. Panel member.*

Australasian Fire and Emergency Management Conference. Brisbane, Australia. August, 2016. *The Role of States in Disaster Recovery: Lessons from Research and Practice.* Keynote.*

North Carolina Flood Risk Symposium. Raleigh, North Carolina. May, 2016. *Increasing Flood Resilience through Land Use Planning in an Era of Climate Change*. Keynote.*

American Planning Association, Annual Conference. Phoenix, Arizona. April, 2016. NDPTC *Advanced Disaster Recovery Training Course*. Instructor.*

North Carolina Emergency Management Association Conference. Cherokee, North Carolina. March, 2016. *The Role of States in Disaster Recovery*. Keynote.*

Southeastern Pennsylvania Task Force's Regional Recovery Conference. Philadelphia, Pennsylvania. March 2016. Planning for Post-Disaster Recovery: Key Concepts and Issues that Should Inform Practice.* Philadelphia Disaster Recovery Conference.

National Conference of State Legislatures Discussion Group. Washington, D.C. December 2015. *Overview of the Federal-State-Local Relationship in Disaster Response and Recovery Current Policy Landscape*. Panel member.*

Smart Growth America Webinar. October 2015. *Building Resilient States: a Framework for Agencies*. Panel member.*

Housing and Urban Development Webinar Series. September 2015. *Integrated Resilience Planning*.*

Association of State Floodplain Manager's Conference. Atlanta, Georgia. May 2015. Closing Plenary Session. Local Mitigation on My Mind: What's Going on Around the Country That You Could Do Too? *Hazard Mitigation: Lessons from Research and Practice*.*

CONFERENCE and WORKSHOP PRESENTATIONS
*** = invited speaker**

5th Annual North Carolina Division of Emergency Management Hurricane Conference. Greenville, North Carolina. May 2015. *Coastal Hazards Resilience Center of Excellence Overview*.*

National Oceanic and Atmospheric Administration and the American Planning Association's Sustainable Communities Division Webinar. May 2015. *Creating Sustainable and Disaster Resilient Communities*.*

American Planning Association, Annual Conference. Seattle, Washington. April 2015. *Adapting to Climate Change: Lessons from Natural Hazards Planning*.*

American Planning Association, Annual Conference. Seattle, Washington. April 2015. Community Planning Assistance Team Panel. *Living with the Saint Vrain: Lyons, Colorado*.*

North Carolina Emergency Management, 2015 Spring Conference. Keynote Speaker. Cherokee, North Carolina. March, 2015. *Planning for Post-Disaster Recovery*.*

U.S. Department of Health and Human Services Disaster Recovery Workshop. Plenary Session: How and Why We Did It – Local/State/Federal Recovery Planning Process. Washington, D.C. March 2015. *Key Components to Recovery and Resilience Planning*.*

State of New Hampshire. Building a More Resilient New Hampshire. Governor's Institute on Community Design. Concord, New Hampshire. January, 2015. *Institutionalizing Resilience*.*

17th Annual North Carolina Beach, Inlet and Waterway Association Conference. Living in Coastal North Carolina. November 2014. Wrightsville Beach, North Carolina. *Hazard Mitigation, Disaster Recovery, and Climate Adaptation Planning: The Integrative Results of Three Research Projects*.*

Governor's South Atlantic Alliance. September 2014. Ponte Vedra Beach, Florida. State of the South Atlantic Resilience Edition. *Adaptation to Climate Change: Lessons from Natural Hazards Planning.**

National Sea Grant Meeting. September 2014. Clearwater, Florida. Opening Plenary. *Adaptation to Climate Change: Lessons from Natural Hazards Planning.**

CONFERENCE and WORKSHOP PRESENTATIONS
*** = invited speaker**

2nd World Reconstruction Conference. Resilient Recovery: An Imperative for Sustainable Development. World Bank. Washington, D.C. September, 2014. Business Continuity Management and Organizational Resilience: Contributions to Communities Post-Disaster Recovery and Reconstruction. *Planning for Post-Disaster Recovery: Dimensions of Organizational Resilience*.*

Governing Summit. Cost of Government. Washington, D.C. September, 2014. The Cost of Resiliency I: Disaster Preparedness and Recovery. *Achieving Disaster Resilience through Collaborative Planning and Governance*.*

State Resilience and Economic Growth Summit. Washington, D.C. September 2014. Hazard Resilience Strategies: State Leadership. *The Role of the State in Disaster Recovery: A Comparative Analysis of Gubernatorial Leadership and State Agency Official Engagement, Collaboration and Capacity Building*.*

State Resilience and Economic Growth Summit. Washington, D.C. September 2014. Hazard Resilience Strategies: State Leadership. Learning from Best Practices. *Summit Overview, Closing Thoughts and Next Steps*.*

National Capital Region, Disaster Recovery Seminar. July, 2014. Washington, D.C. *Pre- and Post-Disaster Recovery Planning*.*

Triangle J Council of Governments. Smart Growth and Water Resources Advisory Committee. July, 2014. Raleigh, North Carolina. *Hazard Mitigation Planning: Findings of a Six-Year National Study of the Quality of State and Local Hazard Mitigation Plans*.*

Environmental Protection Agency. Community Environmental Resilience Index Workshop. July 2014. Washington, D.C. *Disaster Planning and Decision-Making: Lessons from Hazard Mitigation, Disaster Recovery, and Climate Change Adaptation*.*

Recovery Pre-Disaster Planning Guidance Workshop. Federal Emergency Management Agency. Emergency Management Institute. April, 2014. Emmitsburg, Maryland. *State Leadership in Recovery; Involving Stakeholders and Building Partnerships*.*

National Homeland Security Conference. April, 2014. Philadelphia, Pennsylvania. *FEMA Advanced Disaster Recovery Course*.*

Pacific Risk Management ‘Ohana Annual Conference. Building Communities of Practice for Resilience. March, 2014. Honolulu, Hawaii. *Advanced Disaster Recovery Strategies for Local Communities Workshop.**

CONFERENCE and WORKSHOP PRESENTATIONS
*** = invited speaker**

Hazard Mitigation Seminar. Federal Emergency Management Agency. January, 2014. Washington, D.C. *Analysis of Federal Mitigation Policy: Mitigation Plans, Civic Engagement and Local Capacity*.*

Environmental Protection Agency Resilience Workshop. Greenville, South Carolina. September, 2013. *Creating Sustainable and Disaster Resilient Communities*.*

8th Anniversary of Hurricane Katrina. Durham, North Carolina. August, 2013. *Personal Reflections on Recovery from Katrina and the People of the Mississippi Gulf Coast*.*

Gulf to Shore: Disaster, Recovery and Rebuilding Lessons Learned from the Gulf Coast. Toms River, New Jersey. May, 2013. *Lessons from Natural Hazards Planning and Utilizing ABFE's in Post-Disaster Community-Based Planning.**

9th Annual Risk Mitigation Leadership Forum. Build it Better. Charlotte, North Carolina. May, 2013. *Governance and Disaster Recovery: Lessons from the Field.**

Gulf of Mexico Climate Outreach, Community of Practice Workshop. Houston, Texas. Keynote speaker. April, 2013. *Coastal Hazards and Climate Change Adaptation: Case Studies of Mississippi and North Carolina following Major Disasters.**

North Carolina Department of Transportation. Geo3 T2 Conference & Exposition. Exploring the Challenges and Advances in Geotechnical, Geophysical, and Geoenvironmental Engineering Technology Transfer. Cary, North Carolina. April, 2013. Keynote speaker. *Creating More Resilient Infrastructure in North Carolina in the Face of Natural Hazards and Disasters.**

State Hazard Mitigation Advisory Group. Raleigh, North Carolina. March, 2013. *Assessing Aggregate Flood Hazard Risk.**

Lincoln Institute of Land Policy. New England Smart Growth Leadership Forum. Cambridge, Massachusetts. March, 2013. *Linking Smart Growth and Disaster Resilience: The Role of States.**

Coastal Symposium. Norfolk, Virginia. March, 2013. American Planning Association, Virginia And North Carolina Chapters. Keynote speaker. *Coastal Hazards and Climate Change Adaptation: Case Studies of Mississippi and North Carolina following Major Disasters*.*

CONFERENCE and WORKSHOP PRESENTATIONS
*** = invited speaker**

National Institute of Building Sciences Conference and Expo. January 2013. Multi-Hazard Mitigation Council Symposium. Washington, D.C. Large-Scale Mitigation Planning and Strategies. Panel member. *Hurricane Sandy: The Challenges and Opportunities to Link Disaster Management and Climate Change Adaptation.**

City of Seattle, City Council Meeting. Seattle Washington. January 2013. *Disaster Recovery Planning.**

City of Seattle. Disaster Management Committee Meeting. Seattle, Washington. January 2013. *Developing a Disaster Recovery Plan: Lessons and Observations from Research and Practice*.*

State of Vermont. Smart Growth Implementation Assistance Project - Disaster Recovery and Long-Term Resilience Planning in Vermont. Waitsfield, Vermont. October 2012. EPA and FEMA Region I. *Linking Smart Growth and Disaster Resilience*.*

Research to Resilience Workshop. Northeastern University. Boston, Massachusetts. September, 2012. *Use of the ADCIRC Storm Surge Prediction Model and Disaster Planning Tools to Mitigate Hurricane Impacts.**

Governors' South Atlantic Alliance. Long-Term Recovery Planning Summit. Jacksonville, Florida. July, 2012. *Long-Term Recovery: Experience from the Field.* Keynote speaker.*

North Carolina Division of Emergency Management. State Disaster Recovery Workshop. Raleigh, North Carolina. June 2012. *The Importance of Pre-Event Planning for Post Disaster Recovery.**

Association of State Floodplain Manager's Conference. San Antonio. May 2012. *Planning for Post-Disaster Recovery: An Assessment of the United States Disaster Recovery Assistance Framework.*

National Hurricane Conference. Orlando, Florida. April 2012. *The Disaster Mitigation Act: An Assessment of State & Local Mitigation Planning & Implementation.*

American Planning Association Annual Conference. Los Angeles. April 15, 2012. Resettlement and Adaptation: Hazard Mitigation Lessons. *Lesson Drawing from the North Carolina and Mississippi Experience following four Major Disasters*.

CONFERENCE and WORKSHOP PRESENTATIONS
*** = invited speaker**

American Planning Association Annual Conference. Los Angeles. April 15, 2012. Contrasting Approaches to Climate Change and Hazards. *Adapting to Climate Change: Lessons from Natural Hazards Planning*.

NOAA of the Carolinas. Charleston, South Carolina. *Coastal Resilience in the Age of Climate Change*. March 2012. Keynote speaker.*

Governors' Institute on Community Design: A Workshop on Flood Recovery and Rebuilding. December, 2011. Burlington, Vermont. *Hazard Mitigation, Land Use, and Rebuilding*.*

Hurricanes, Major Disasters, Coastal Protection and Rapid Recovery in Texas and Gulf Coast Region. August, 2011. Houston, Texas. *Planning for Post-Disaster Recovery: A Review of the United States Disaster Assistance Framework.* Panel member.*

Smart Growth and Hazards Resilience Roundtable. August, 2011. *Silver Springs Maryland. The Challenges of Implementing Post-Disaster Hazard Resilience Strategies at Regional and Community Scales in Mississippi Following Hurricane Katrina.* Panel member.*

National Hazard Mitigation Association. July, 2011. Broomfield, Colorado. *Successes and Failures of State and Local Mitigation Planning: Assessing Plans Using Plan Quality Analysis Techniques*. Panel member.*

National Level Exercise 2011. National Recovery Seminar. Federal Emergency Management Agency. July, 2011. Arlington, Virginia. *Planning for Post-Disaster Recovery: A Review of the United States Disaster Assistance Framework.* Panel member.*

Coastal Zone Management Conference. July, 2011. Chicago, Illinois. Building Adaptive Capacity of Coastal Communities Through Risk Management. The *Gulf Coast Community Design Studio in Mississippi following Hurricane Katrina*. Panel Member.*

10th Annual New Partners for Smart Growth: Building Safe, Healthy and Livable Communities. February, 2011. Charlotte, North Carolina. Linking Smart Growth and Safe Growth: Disaster Recovery in Mississippi Following Hurricane Katrina. Panel Member.*

Unites States Department of State Sponsored Seminar in the Philippines. *Designing Disaster Resilient Communities: Bridging the Hazards Management-Climate Change Adaptation Divide*. May, 2010. Presented in Manila, Cebu City and Davao, Philippines (3 eight hour workshops).*

American Chamber of Commerce. Hong Kong. May, 2010. *Hazards Management and Climate Change Adaptation*.*

CONFERENCE and WORKSHOP PRESENTATIONS
*** = invited speaker**

Climate Change Business Forum. Business Environment Council. Hong Kong. May, 2010. *Natural Hazards, Disasters and Climate Change: A Wake Up Call for Business.**

American Planning Association Annual Conference. April, 2010. Preparedness and Recovery Planning in Delta Regions. New Orleans, Louisiana. *An Assessment of the U.S. Disaster Recovery Assistance Framework.* Panel Member.*

American Planning Association Annual Conference. April, 2010. Prescription for Safe Delta Development. New Orleans, Louisiana. *The Disaster Mitigation Act: An Assessment of Hazard Mitigation Plans.* Panel Member.*

Sustainable Development and Long-Term Disaster Recovery: A Convening of Experts to Inform and Support the Deliberations of the Long-Term Disaster Recovery Working Group. Washington, D.C. January, 2010. *Empowering Communities*. Panel member.*

Sustainable Development and Long-Term Disaster Recovery: A Convening of Experts to Inform and Support the Deliberations of the Long-Term Disaster Recovery Working Group. Washington, D.C. January, 2010. *Progressive Rebuilding*. Panel member.*

Emergency Management Institute Annual Higher Education Project Conference. Emmitsburg, Maryland. Panel Member. June 2009. *Long-term Recovery from Disasters: The Neglected Phase of Emergency Management.**

Emergency Management Institute Annual Higher Education Project Conference. Emmitsburg, Maryland. Panel Member. June 2009. *Catastrophe Readiness and Response.**

Emergency Management Institute Annual Higher Education Project Conference. Emmitsburg, Maryland. June 2009. *The University of North Carolina Center for the Study of Natural Hazards and Disasters.**

North Carolina Emerging Issues Forum. Moderator. Raleigh, North Carolina. February 2009. *Natural Hazards and Smart Growth**

North Carolina Emergency Management Fall Conference. Clemmons, North Carolina. October, 2008. *The Center for the Study of Natural Hazards and Disasters.**

Australasian Hazards Management Conference. Keynote Address. Wellington, New Zealand. July, 2008. *The Application of Research and Practice to Recovery in Mississippi Following Hurricane Katrina.**

CONFERENCE and WORKSHOP PRESENTATIONS
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Australasian Hazards Management Conference. Workshop Participant. Wellington, New Zealand. July, 2008. *Achieving Risk Reduction Through Land-Use Planning*.*

Solutions to Coastal Disasters Conference. Oahu, Hawaii. April, 2008. *A Review of the United States Disaster Assistance Framework: Planning for Recovery*. American Society of Civil Engineers.*

American Planning Association Annual Conference. Nevada, Las Vegas. April, 2008. *Influencing Recovery and Rebuilding*.

Broward County Emergency Preparedness Summit. Opening Session. Fort Lauderdale, Florida. December, 2007. *Observations and Lessons Learned in Large Scale Disasters*.*

Broward County Emergency Preparedness Summit. Fort Lauderdale, Florida. December, 2007. *Economic Impacts and Recovery following Disasters*.*

International Association of Emergency Managers Annual Conference. Reno, Nevada. November 2007. *Geography of Disaster: Economic Realities and Recovery Planning in Mississippi*.*

Emergency Management Institute Higher Education Conference. Emmitsburgh, Maryland. June, 2007. *Disaster Recovery Workshop: Observations, Lessons Learned, and Research Applied in Mississippi Following Hurricane Katrina*.*

National Oceanic and Atmospheric Association 2007 National Stakeholder Forum. Crystal City, Virginia. May, 2007. *Ecosystem Management and Disaster Recovery*.*

National Hurricane Conference. New Orleans, Louisiana. April, 2007. *Disaster Recovery Workshop: Observations and Lessons Learned in Mississippi Following Hurricane Katrina*.*

American Planning Association Annual Conference. Philadelphia, Pennsylvania. April, 2007. *Mississippi Alternative Housing Program*.

National Oceanic and Atmospheric Association. Washington, D.C. December, 2006. *Community Resilience – Exploring the Conceptual Framework.* Invited Participant

Mississippi Arts Commission. Cultural Charrette: Conversations about Coastal Life. December, 2006. *Achieving a Cultural Recovery on the Mississippi Gulf Coast*.*

CONFERENCE and WORKSHOP PRESENTATIONS
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Land Development Conference. Las Vegas, Nevada. November, 2006. *Rebuilding the Mississippi Gulf Coast: The Role of Planning and Design in Sustainable Redevelopment.**

American Planning Association, American Institute of Certified Planners Symposium. Washington, D.C. October, 2006. *Rebuilding the Mississippi Gulf Coast: The Role of Planning and Design in Sustainable Redevelopment.**

Governor's Recovery Expo. Biloxi, Mississippi. August, 2006. *Emergency Housing Alternatives in the State of Mississippi.**

Roundtable for the Mid South's Hurricane Recovery and Restoration Tour. Biloxi, Mississippi. August, 2006. *Unmet Needs in Mississippi.**

Congress for the New Urbanism Annual Conference. Providence, Rhode Island. June, 2006. *Implementing the Vision: Achieving Sustainable Recovery and Redevelopment Following Hurricane Katrina in Mississippi through Design and Planning Practice.**

Housing and Community Development Conference. Jackson, Mississippi. June, 2006. *Overview of Hurricane Katrina Recovery Efforts in the State of Mississippi.**

Hurricane Katrina Homebuilders Workshop. Biloxi, Mississippi. May 2006. *The Mississippi Alternative Housing Program.**

American Planning Association Annual Conference. San Antonio, Texas. April, 2006. *Planning for Sustainable Disaster Recovery in Mississippi*.

National Hurricane Conference. Lake Buena Vista, Florida. April 2004. *Mitigation's Future – Bright or Bleak?**

South Carolina Chapter of the American Planning Association. Hilton Head, South Carolina. November 2004. *Developing the State of South Carolina Hazard Mitigation Plan*.*

North Carolina County Commissioners Association. Asheville, North Carolina. August 2004. *A Hard Rain's Gonna Fall: Hazard Mitigation – Protecting Our Future.**

Emergency Management Institute Annual Higher Education Project, Summer Conference. Emmitsburg, Maryland. June 2004. *Project Summary: Holistic Disaster Recovery: Creating a More Sustainable Future.**

CONFERENCE and WORKSHOP PRESENTATIONS
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The 2003 State Hazard Mitigation Program Managers Workshop: Risk Management in a Multi-Hazard World. *The Benefits of Doing Mitigation: Evaluating Mitigation Effectiveness*. Emergency Management Institute, Emmitsburg, Maryland. June, 2003.*

Emergency Management Institute Annual Higher Education Project, Summer Conference. Emmitsburg, Maryland. May, 2003. *Holistic Disaster Recovery: Creating a More Sustainable Future.* Emergence Management Institute, Higher Education Project, College Course.*

25th Annual National Hurricane Conference. New Orleans, Louisiana. April 2003. *Analyzing Your Risk: The Role of Risk Assessment in Emergency Management.*

North Carolina Chapter of the American Planning Association, Annual Conference. October, 2002. New Bern, North Carolina. *Hazard Mitigation Planning*.

Missouri Emergency Management. Jefferson City, Missouri. September, 2002. *Using HAZUS In Hazard Mitigation Planning.**

Association of Kansas County Planners. Salina, Kansas. August, 2002. *Using HAZUS in Hazard Mitigation Planning.**

California Office of Emergency Services Conference. Industry, California. May, 2002. *Linking Disaster Response, Mitigation and Recovery.**

Emergency Management Institute Annual Higher Education Project, Summer Conference. Miami, Florida. May, 2002. *The Model Emergency Manager in the 21st Century*.*

North Carolina Natural Hazards Conference. Sunset Beach, North Carolina. March, 2002. *North Carolina Small Business Initiative: Mitigation and Disaster Recovery Planning*. Moderator.

North Carolina Natural Hazards Conference. Sunset Beach, North Carolina. March, 2002. *Disaster Mitigation Act of 2000: Implications for Hazard Mitigation and Disaster Recovery*. Plenary Session.*

International Personnel Management Association - North Carolina Chapter. Winter Workshop. Kannapolis, North Carolina. January, 2002. *Disaster Recovery Planning*.*

State Emergency Manager's Workshop. Raleigh, North Carolina. January, 2002. *The Role of the Web in Information Transfer*.*

CONFERENCE and WORKSHOP PRESENTATIONS
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National Hazard Mitigation Officer's Annual Workshop. Scottsdale, Arizona. October, 2001. *The North Carolina Enhanced Hazard Mitigation Plan.**

North Carolina State Climate Office, 25th Anniversary Celebration. Raleigh, North Carolina. October, 2001. *Building Effective State Partnerships.**

North Carolina Emergency Management Association Fall Conference. Atlantic Beach, North Carolina. October, 2001. *How to Develop a Local Hazard Mitigation Plan.**

North Carolina Institute of Government: Introduction to Planning Practice in North Carolina. Chapel Hill, North Carolina. September, 2001. *Hazard Mitigation Planning*.*

Creating Markets for Mitigation. Raleigh, North Carolina. August, 2001. *Sustainable Hazard Mitigation: Federal and State Perspectives.* Moderator.*

Creating Markets for Mitigation. Raleigh, North Carolina. August, 2001. *Policy Discussion.* Moderator.*

New Emergency Management Coordinators Workshop. Raleigh, North Carolina. August, 2001. *Hazard Mitigation in North Carolina*.*

North Carolina Division of Emergency Management Training Course: Inland Impacts of Hurricanes. Hillsboro, North Carolina. July, 2001. *Hazard Mitigation in North Carolina.**

National Association of Floodplain Manager's Conference. Charlotte, North Carolina. June, 2001. *North Carolina Floodplain Mapping Initiative.**

Save Our State, Coastal Issues Forum: Dredging, Dunes and Development, Meeting Human and Ecological Needs in Coastal North Carolina. Wilmington, North Carolina. May, 2001. *Sustainability in Eastern North Carolina.**

National Hurricane Conference. Washington D.C. April, 2001. *Disaster Recovery Grant's Management 101.* Moderator.*

National Hurricane Conference. Washington, D.C. April, 2001. *Inland Impacts of Hurricanes.* Panel Member.*

National Hurricane Conference. Washington, D.C. April, 2001. *Disaster Mitigation Act of 2000.* Panel Member. *

CONFERENCE and WORKSHOP PRESENTATIONS
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North Carolina Geographic Information Systems Conference. Winston-Salem, North Carolina. March, 2001. *Preparing for the Next Hurricane Floyd: The North Carolina Floodplain Mapping Initiative*. Panel Member.*

North Carolina Hurricane Conference. Sunset Beach, North Carolina. March, 2001. *North Carolina Floodplain Mapping Initiative.* Moderator.*

North Carolina Hurricane Conference. Sunset Beach, North Carolina. March, 2001. *The Evolution of Hazard Mitigation in North Carolina*.*

Coastal Municipalities Meeting. Pine Knoll Shores, North Carolina. January, 2001. *Storm Hazard Mitigation: What We Need to Know to Prepare.*

State Hazard Mitigation Officer's Workshop. Biloxi, Mississippi. November, 2000. *Hazard Mitigation in North Carolina*.*

National Emergency Management Association, Annual Conference. Palm Beach, Florida. August, 2000. *North Carolina's Hazard Mitigation Program*.*

North Carolina Division of Emergency Management. Raleigh, North Carolina. October, 2000. First Annual Research Symposium. *Research in Support of Hazard Mitigation: Science in Service of Society*. Moderator.*

North Carolina Floodplain Mapping Initiative Kickoff Meeting. Raleigh, North Carolina. August, 2000.*

National Hurricane Conference. New Orleans, Louisiana. April, 2000. *Managing the Nations Largest Mitigation Buyout Program-North Carolinas Experience After Hurricane Floyd.**

North Carolina Hurricane Conference. Sunset Beach, North Carolina. March, 2000. *Hazard Mitigation Success Stories.**

North Carolina Hurricane Conference. Morehead City, North Carolina. March, 1999. *Hazard Mitigation Planning Initiative.* Panel chair.*

National Hurricane Conference. Orlando, Florida. March, 1999. *Hazard Mitigation Planning and Sustainability, the North Carolina and Florida Experience.**

North Carolina Hurricane Conference. Morehead City, North Carolina. March, 1998. *Hazard Mitigation.**

CONFERENCE and WORKSHOP PRESENTATIONS
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Eastern United States Mitigation Summit. Wilmington, North Carolina. December, 1997. *Hazard Mitigation Opportunities Post-Disaster.**

North Carolina Planning Association Conference. Durham, North Carolina. June, 1997. *Hazard Mitigation Planning in North Carolina.**

North Carolina/South Carolina Association of Floodplain Managers Conference. Myrtle Beach, South Carolina. April, 1997. *The Hazard Mitigation Planning Initiative in North Carolina.**

North Carolina Hurricane Conference. Atlantic Beach, North Carolina. March, 1997. *The Hazard Mitigation Grant Program in North Carolina.**

National Hurricane Conference. Houston, Texas. March, 1997. *Hazard Mitigation Following Hurricane Fran.**