

Associate Director ▪ facilitate public participatory processes and place-based community planning efforts

Author ▪ foster planning for hazard exposures, physical and social vulnerabilities, in mitigation and recovery

PROFESSIONAL EXPERIENCE

Texas Target Communities Program at Texas A&M University

June 2013 - present

Associate Director of interdisciplinary high-impact service learning and community outreach program which fosters the transformation of vulnerable communities from high-risk and low-opportunity to equitable, resilient, and adaptive. Played a pivotal role to expand the small departmental program to a community-focused and inclusive plan-making process within multiple communities to fully meet needs with a place-based approach.

- Collaborate with 6-14 communities through inclusive plan-making processes (rural and urban)
- Facilitate community engagement workshops on visioning, goal setting, and needs assessments
- Guide planning staff on writing plans with best and promising strategies
- Manage 5-9 project managers in producing community deliverables
- Design and create translation materials, including publications, guidebooks, training materials, reports, websites, banners, brochures, and social media content
- Grow network of partners and subject matter experts to meet community needs
- Prepare budgets, manage accounts, develop contractual agreements

Notable Projects:

- **Resilience and Climate Change Cooperative Project (RCCCP).** Manage community relationships and projects to create a fundamentally different way to identify and tackle critical disaster resiliency and climate change challenges that threaten neighborhoods in Houston. Work collaboratively with partners, Texas Environmental Justice Advocacy Services (T.E.J.A.S.), the Green Institute at Furr H.S., and Charity Productions, to develop place-based solutions through community-driven projects. Projects have included on-the-ground data collection using smart phone application technology, to map pooling water and the quality of infrastructure, sample water for heavy metals, health survey and landscape architecture design strategies. Has grown into the Texas A&M Environmental Grand Challenge.
- **Plan Integration for Resilience Scorecard.** Funded through the DHS Coastal Hazards Center of Excellence at University of North Carolina Chapel Hill. Translated the research methodology into a user-friendly guidebook that evaluates a community's network of plans to reveal incongruities in planning for hazards. Worked with leadership in the APA-HMDR division and subject matter experts to advise the scorecard project. Trained 2 end-user communities to test and validate the scorecard--League City, TX and Norfolk, VA. Updates on the project are found here: <http://coastalresilienceblog.web.unc.edu/>.
- **Liberty County, TX** (from 2015 to 2016 Liberty County had 5 disaster declarations). Managed community relationships to build capacity and resilience. Developed a 1) Strategic Plan (unheard of in Texas county govt.), and 2) Community Asset Map. The project focused on land use regulations and low impact development to keep people out of the floodplain.
- **Knowledge to Action reports (K2As).** 'Translate' and summarize current research for practitioner's use.
- **Texas Planning Atlas.** Guided the expansion to create a web-mapping application where practitioners can analyze hazard exposures, physical vulnerabilities, social vulnerabilities, etc.

Hazard Reduction and Recovery Center at Texas A&M University

January 2012 – May 2013

Research assistant to Dr. Walt Peacock and Dr. Shannon Van Zandt.

- Worked in collaboration with professors to redesign, reformat, and publish research document on planning for coastal resilience for lay-person audience
- Developed curriculum and trained planners and community leaders across the country on coastal resilience and newly prepared research document
- Assembled, provided creative guidance, and published training curriculum with Island Press

Dewberry October 2012- March 2013
Emergency Management Specialist (contract work) to conduct literature reviews on quantifying mitigation. Review and summarize methodological approaches and results from technical reports and academic publications.

Brazos County Emergency Operations Center in Bryan, TX June 2012 – August 2012
Led Dam Safety Program for Brazos County. Evaluated, analyzed, and compiled Texas Commission on Environmental Quality designated dam sites in the county.

McKinney North High School in McKinney, TX August 2008 - June 2011
Designed and taught differentiated and student-centered curriculum as a Co-teach Science teacher and a Vocational and Life Skills instructor for students entering the job market.

Talley Associates in Dallas, TX February 2008 - August 2008
Collaborated with a diverse team on coordination and implementation of landscape architecture and urban planning projects.

Huitt-Zollars, Inc. in Dallas, TX May 2007 - February 2008
Worked closely with engineers and landscape architects on material and product research, design, client communication, grading and drainage of sites, and on-site analysis.

EDUCATION

Master of Urban Planning, Suma Cum Laude | Texas A&M University, 2013 with Certificate in Environmental Hazard Management and Certificate in Sustainable Urbanism

Bachelor of Landscape Architecture, Cum Laude | Texas A&M University, 2007

PUBLICATIONS

Masterson, Jaimie Hicks, Peacock, W.G., Van Zandt, S.S., Grover, H., Schwarz, L.F., Cooper, Jr., J.T. (2014). *Planning for Community Resilience: A Handbook for Reducing Vulnerabilities to Disasters*. Island Press: Washington D.C. <https://goo.gl/ftM21E>.

Texas. Senate. Disaster Housing Recovery Program. 84th Legis. Session. SB. 1376. Austin: filed March, 2015.

Hazard Reduction & Recovery Center at Texas A&M University, Community Development Corporation of Brownsville, buildingcommunityWORKSHOP, La Union Del Pueblo Entero, A Resource in Serving Equality, & Texas Low Income Housing Information Services (2015, January). *Rapid Housing Recovery Program, Policy Recommendations and Comparison Report*. Community Development Corporation of Brownsville and buildingcommunityWORKSHOP: Brownsville, TX.

Berke, Philip, Malecha, M., Yu, S., Lee, J., Masterson, J.H. (2016). Proceedings from ACSP '16: *Plan Integration Scorecard for Resilience: Evaluating Networks of Plans in Six Coastal Cities*. Portland, OR.

Masterson, J.H. (2014, December). *Identifying Your Community's Vulnerability Hotspot* [Web blog post]. Island Press. Retrieved from <https://www.islandpress.org/node/803>.

Masterson, J.H. (2016, January). *The Coastal Triple Threat of Natural Hazards* [Web blog post]. Island Press. Retrieved from <https://islandpress.org/blog/coastal-triple-threat-natural-hazards>.

Masterson, J.H. and Barbour K. (Forthcoming). *Facilitating Quality Design and Community Engagement in Housing Recovery*. In W.G. Peacock, and S. Van Zandt (Eds.), *Planning for Disaster Resilience: A Handbook*. Routledge.

Masterson, J.H. and Cooper, J.T. (Forthcoming). The National Disaster Recovery Framework. In W.G. Peacock, and S. Van Zandt (Eds.), *Planning for Disaster Resilience: A Handbook*. Routledge.

TRAININGS & PRESENTATIONS

Plan Integration for Resilience Scorecard Training I in League City, TX. Developed and led half-day workshop on the plan integration for resilience scorecard. November 2016.

Masterson, J.H. & Berke, P. (2015, October). *Transformative Science: A feedback loop of local knowledge and interdisciplinary research*. Poster presented at the annual conference of the Association of Collegiate Schools of Planning, Houston, TX.

Van Zandt, S.S. & Masterson, J.H. (2015, July). *Rapid Disaster Housing Recovery Program*. Poster presented at the annual Natural Hazards Research and Applications Workshop at the University of Colorado, Broomfield, CO.

Planning for Community Resilience. Book tour presentations at the monthly meeting of the American Institute of Architects and monthly meeting of SPUR, San Francisco, CA; at Palo Alto Community Center; at the monthly meeting of SPUR San Jose hosted by Island Press.

Cooper, J.T., Van Zandt, S.S., & Masterson, J.H. (2014, August). *Assessing Vulnerabilities to Hazards*. Training presentation at the South Central Climate Center at the University of Oklahoma, Norman, OK.

Masterson, J.H. (2014, April). *Pecha Kucha: Gonzales, TX*. Presented at the annual conference hosted by the Sustainable Communities Year Program (SCYP), Eugene, OR. & *Developing Partnerships*. Panelist at the annual conference hosted by the Sustainable Communities Year Program (SCYP), Eugene, OR.

Campus Sustainability Day. Brought environmental justice expert Derrick Evans, of *Come Hell or High Water: The Battle for Turkey Creek*, and Yudith Nieto of T.E.J.A.S. to Texas A&M University.

Planning for Disaster Resilience Symposium. Coordinated, co-chaired, and presented at the academic symposium to commemorate the 25th Anniversary of Hazard Reduction and Recovery Center at Texas A&M University. Brought together academics from across the world to discuss the intersection of planning hazards. April 2014.

Masterson, J.H. (2013, January). *Growing Vulnerable- Development in the 100 year Floodplain*. Poster presented at the National Conference on Science, Policy, and the Environment- Disasters and Environment: Science, Preparedness, and Resilience, Washington, D.C.

Preparing for Change: Building Resilient Communities. Outlined, developed, and executed materials for day-long workshop on community resilience. Philadelphia, PA, Galveston, TX, Punta Gorda, FL. 2013-2014.

Masterson, J.H. (2012, July). *An Analysis of Development Encroachment inside Houston MSA Floodplains*. Poster presented at the annual Natural Hazards Research and Applications Workshop at the University of Colorado, Broomfield, CO.

AWARDS AND GRANTS:

Department of Homeland Security Coastal Hazards Center of Excellence at UNC-Chapel Hill. *Develop and pilot test a local resiliency planning scorecard to assess community vulnerability and the performance of the network of Plans*.

RAPIDO, Rio Grande Valley Rapid Housing Recovery Program. The RAPIDO initiative involves TTC, the Hazard Reduction & Recovery Center, and the Center for Housing and Urban Development in a collaborative effort to produce a model disaster housing recovery demonstration project. Support came from the Ford Foundation through the bcWorkshop design and architecture firm. The report was provided to the Texas Legislature in the form of Rapid Housing Recovery Recommendations, Technical Guide, and Comparison Report.

STAR Performer Award, January 2016. Received for exemplary staff achievements at Texas A&M University.

APA Texas Chapter Student Project Award. Honorable Mention for the La Grange Housing Needs Assessment (2015).

- Jesus Hinojosa Endowed Urban Planning Scholarship, April 2013
- Department Head Award, April 2013
- 1st Prize at Student Research Week Graduate Student Poster Competition, Engineering/Architecture Category, March 2013
- Melbern G. Glasscock Humanities Award, March 2013, <http://srw.tamu.edu/>
- 2nd Prize Vice President of Research Diversity Award, March 2013
- Southern Texas Section of the American Planning Association 2012 Graduate Scholarship
- Awarded the Master of Urban Planning Professional Advisory Council Excellence Endowed Scholarship for the 2012-2013 academic year

REFERENCES

Dr. Phil Berke, colleague, pberke@arch.tamu.edu, 979.862.3969

Dr. John Cooper, supervisor, jcooper@arch.tamu.edu, 979.862.2272

Dr. Shannon Van Zandt, professor and colleague, svanzandt@arch.tamu.edu, 979.458.1223