

**YANG ZHANG**

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**ACADEMIC POSITIONS**

- |                 |   |
|-----------------|---|
| 2021-present    | Associate Dean for Research, College of Architecture and Urban Studies, Virginia Tech, Blacksburg, VA                                 |
| 2017 to 2019    | Associate Director, School of Public and International Affairs, Virginia Tech, Blacksburg, VA   |
| 2016 to 2018    | Associate Chair, Urban Affairs and Planning, Virginia Tech, Blacksburg, VA  |
| 2015 to present | Associate Professor, Urban Affairs and Planning, Virginia Tech, Blacksburg, VA  |
| 2012 to present | Program leader, Interdisciplinary Graduate Program in Disaster Resilience, Virginia Tech, Blacksburg, VA                              |
| 2012 to 2016    | Program Coordinator, Master of Urban and Regional Planning Program, Urban Affairs and Planning Program, Virginia Tech, Blacksburg, VA |
| 2008 to 2015    | Assistant Professor (Tenure Track), Urban Affairs and Planning, Virginia Tech, Blacksburg, VA   |
| 2006 to 2008    | Assistant Professor (Tenure Track), University of Illinois at Springfield, Springfield, IL  |
| 2000 to 2006    | Research Associate, Hazard Reduction & Recovery Center, Texas A&M University, College Station, TX                                     |
| 1997 to 2000    | Research Assistant, Environmental Engineering Research Institute, Peking University, Beijing, China                                   |

**RESEARCH INTERESTS**

Post-disaster Recovery  
Disaster Vulnerability  
Hazards Mitigation

## EDUCATION

- Ph.D. Urban and Regional Science, 2006, Texas A&M University, College Station, TX  
Research focus: disaster recovery, natural hazards mitigation, vulnerability assessment  
Dissertation: *Modeling Single Family Housing Recovery After Hurricane Andrew in Miami-Dade County, FL*
- M.S. Urban and Environmental Sciences, 2000, Peking University, Beijing, China  
Research focus: environmental planning and land use
- B.S. Economic Geography, 1997, Peking University, Beijing, China

## GRANTS AND CONTRACTS (FUNDED)

- 2021 **Principle Investigator**, Virginia Institute of Marine Sciences, \$80,000, Co-PI: Qiong Wang  
  
Developing a Resilience Quotient System for Flood Mitigation and Managed Retreat in Coastal Virginia
- 2020 **Principle Investigator**, Natural Hazards Center, \$2,500, Co-PI: Qiong Wang  
  
What Drives Hazard Mitigation Policy Adoption? — FEMA's Property Buyout Program in Virginia
- 2018-2023 **Co-Principle Investigator**, National Science Foundation, (Award #: 1735139) \$2,999,782, PI: Robert Weiss, Co-PIs: Jennifer Irish, Margaret Cowell, Christopher Zobel, Guney Olgun, Debra Olsen  
  
NRT: Disaster Resilience and Risk Management (DRRM): Creating quantitative decision making frameworks for multi-dimensional and multi-scale analysis of hazard impacts
- 2016 to 2017 **Principle Investigator**, Virginia Tech Global Forum for Urban and Regional Resilience, \$15,000, Co-PI: Christopher Zobel.  
  
Quantifying Natural Disasters' Impact on Neighborhood Transition
- 2015 to 2016 **Co-Principle Investigator**. Korean Research Institute for Human Settlements, \$36,000, PI: Patrick Roberts.  
  
Building Urban Resilience: Flood and Climate Change Preparedness in U.S and Korean Cities

- 2010 to 2014 **Principle Investigator. National Science Foundation**, \$ 123,051. CMMI-1029298. PIs: Robert Olshansky (University of Illinois, CMMI-1030332), Yu Xiao (Texas A&M, CMMI-1029805), Yan Song (University of North Carolina, CMMI-1030413).
- Collaborative Proposal: Developing An Intergovernmental Management Framework For Sustainable Recovery Following Catastrophic Disasters
- 2014-2015 **Principle Investigator.** Ridenour Faculty Forum and Institute for Society, Culture and Environment, \$20,000. Co-PIs: Margaret Cowell, Christopher Zobel, William Drake, Yuhong Li.
- Fostering Community Resilience through Adaptive Learning in a Social Media Age.
- 2014-2015 **Co-Principle Investigator.** Institute for Society, Culture and Environment-Global Issues Initiative, \$20,000. PI: Christopher Zobel, Co-PIs: Margaret Cowell, Guney Olgun, Robert Weiss.
- Building a Common Language around the Dynamic Resilience of Coastal Communities.
- 2012-2013 **Principle Investigator.** Institute of Society, Culture and Environment, \$17,272, Co-PIs: John Randolph, William Drake.
- Developing a Policy Framework for Community Resilience Building after Disaster.
- 2013- **Co-Principle Investigator.** Virginia Tech Graduate School, PI: Christopher Zobel, Co-PIs: Margaret Cowell, Guney Olgun, Robert Weiss.
- Interdisciplinary Graduate Education Program in Disaster Resilience and Risk Management (DRRM-IGEP).
- 2012 **Principle Investigator.** GeoEye Foundation, Remote Sensing Imagery Grant. Co-PI: William Drake.
- Using High-resolution Imagery to Assess Damage and Recovery following the 2008 Wenchuan Earthquake.
- 2012 **Principle Investigator.** AdvanceVT, Mentoring Grant, \$1,500.
- 2011-2013 **Principle Investigator.** Peking University-Lincoln Institute of Land Policy Center for Urban Development and Land Policy, Book Grant \$ 9,000.
- Sustainable Urban Disaster Reduction and Hazards Mitigation: International Experiences.
- 2010 to 2012 **Co-Principle Investigator. Virginia Sea Grant**, \$10,636. PI: John Randolph, Co-PIs: Ted Koebel, Tommi Godwin.

Climate Change Adaptation Strategies For Middle Peninsula Counties in the Virginia Coastal Community.

2009 to 2012 **Principle Investigator.** Lincoln Institute - Peking University Center for Urban Development and Land Policy, \$ 12,000.

Planning and Rebuilding after Catastrophic Natural Disasters.

2008 **Principle Investigator.** Virginia Tech SCHEV Strategic Development Fund, \$33,939.

Building a SPIA Geographic Information Systems Lab

2007 to 2009 **Principle Investigator.** Lincoln Institute of Land Policy, \$49,132.  
Integrated Land Use Planning in China: Theory and a Demo Project.

2007 to 2009 **Principle Investigator.** Lincoln Institute of Land Policy, \$ 21,804.

Evaluating Urban Planning Policy in China.

2007 to 2008 **Research subcontract.** Mid America Earthquake Center, \$3,500.

Post-disaster Population Dislocation Estimation.

2006 to 2008 **Principle Investigator.** University of Illinois Strategic Academic Initiatives Grant, \$7,477.

A Survey of Public Domain Data for the State of Illinois.

2004 to 2005 **Principle Investigator.** Vice President Office's Research Grant, Texas A&M University \$ 500.

Examining Human Settlements within Flood Zones in Brazos County, TX.

## GRANTS AND CONTRACTS (UNFUNDED)

2017 **Co-Principle Investigator, National Science Foundation, \$1,605,567, PI: Ryan Pollyea, Co-PIs: Amanda Hughes (Utah State), Christopher Zobel, Guney Olgun, John Tylor (Georgia Tech)**

CRISP Type 2: Collaborative Research: Planning for high probability events in low probability environments - the resiliency paradox of fluid-triggered earthquakes in Oklahoma

2016 **Co-Principle Investigator.** Institute for Critical Technology and Applied Science, \$825,676, PI: Jennifer Irish, Co-PIs: Robert Weiss, Christopher Zobel, Guney Olgun.

Center for Disaster Resilience (CDR) at Virginia Tech: A Transdisciplinary Computational Framework for Multidimensional and Multiscale Analysis of Disaster Resilience.

2015 **Principle Investigator.** U.S. Department of Housing and Urban Development (HUD), \$45,545. Co-PIs: Ted Koebel (Urban Affairs and Planning, Virginia Tech).

Deciphering the divergent performance of CDBG-DR housing programs after Hurricane Sandy

2015 **Co-Principle Investigator.** National Science Foundation, \$491,046. PI: Kevin Heaslip (Civil and Environmental Engineering, Virginia Tech), Co-PIs: Christopher Zobel (Business Information Technology, Virginia Tech), John Taylor, Elizabeth McNair, Guney Olgun, Kathleen Hancock (Civil and Environmental Engineering, Virginia Tech), Margaret Cowell (Urban Affairs and Planning, Virginia Tech), Robert Weiss (Geosciences, Virginia Tech).

NRT-IGE Track: Use of Near Real Time and Archived Data to Enhance Graduate Education

2015 **Co-Principle Investigator.** National Science Foundation, \$2,997,877. PI: Jennifer L. Irish (Civil and Environmental Engineering, Virginia Tech), Co-PIs: Robert Weiss (Geosciences, Virginia Tech), Christopher Zobel, Loren P. Rees (Business Information Technology, Virginia Tech), Anamaria Bukvic (Urban Affairs and Planning, Virginia Tech)

Hazards SEES: A Transdisciplinary, Stakeholder/data-driven Model for Coastal Disaster Mitigation and Recovery

2015 **Co-Principle Investigator.** National Science Foundation, \$3,000,000. PI: Robert Weiss (Geosciences, Virginia Tech), Co-PIs: Christopher Zobel (Business Information Technology, Virginia Tech), Guney Olgun (Civil and Environmental Engineering, Virginia Tech), Margaret Cowell (Urban Affairs and Planning, Virginia Tech), Kathleen Hancock (Civil and Environmental Engineering, Virginia Tech).

NRT: Disaster Resilience and Risk Management (DRRM)-Creating a more Disaster Resilient Society through Graduate Education (resubmission, not selected by Virginia Tech internal competition)

2014 **Co-Principle Investigator.** Department of Homeland Security (DHS), \$19,984,457. PI: Christopher Barrett (VBI, Virginia Tech), Co-PIs: Kevin Heaslip, Pamela Murray, Kathleen Hancock, Kostas Triantis, Roberto Leon, Matt Eatherton (CEE), Christopher Zobel (BIT), Stephen G. Eubank, Anamitra Pal, Henning Mortveit, Samarth Swarup, Achla Marathe, Young Chung Baek, Md-Abdul Khan (VBI), Arun Phadke, Virgilio Centeno (ECE), Ralph Hall, Yang Zhang, Patrick Roberts, Maggie Cowell (SPIA), Gizem Korkmaz, Mark Orr (SDAL).

DHS Center of Excellence -Center for Contextualized, Cascading Resilience (C2R)

2014 **Co-Principle Investigator.** National Science Foundation, \$3,000,000. PI: Robert Weiss (Geosciences, Virginia Tech), Co-PIs: Christopher Zobel (Business Information Technology, Virginia Tech), Guney Olgun (Civil and Environmental Engineering, Virginia Tech), Margaret Cowell (Urban Affairs and Planning, Virginia Tech), Kathleen Hancock (Civil and Environmental Engineering, Virginia Tech).

NRT: Disaster Resilience and Risk Management (DRRM): Creating quantitative decision making frameworks for multi-dimensional and multi-scale analysis of hazard impacts

2014 **Co-Principle Investigator.** National Science Foundation, \$250,000. PI: Adrian Rodriguez-Marek (Civil and Environmental Engineering, Virginia Tech), Co-PIs: Matthew Eatherton, Guney Olgun (Civil and Environmental Engineering, Virginia Tech)

IRES: US-Chile Collaborative Research on Urban Seismic Risk

## FELLOWSHIPS, AWARDS AND SCHOLARSHIPS

2016 **American Planning Association (APA) Virginia Chapter Teaching Excellence Award**, APA Virginia Chapter.

2015 **Certificate of Teaching Excellence**, Center for Instructional Development and Educational Research (CIDER), Virginia Tech, Blacksburg, VA.

2013 **Visiting Fellow**, Peking University Shenzhen Graduate School, China.

2013 **International Faculty Development Award**, the Office of Vice-President for Outreach and International Affairs, Virginia Tech, Blacksburg, VA.

2012 **Teaching Excellence Award**, College of Architecture and Urban Studies, Virginia Tech, Blacksburg, VA.

2009 to 2011 **Disasters and Hazards Researchers Enabling Fellowship**, National Science Foundation (NSF).

2009 **International Travel Supplemental Grant Award**, Office of the Vice-President for Research, Virginia Tech.

2008 to present **International Research Fellow**, Lincoln Institute-Peking University Center for Urban Development and Land Policy, Beijing, China.

2006 **Best Research Poster Award**, the Mid-America Earthquake Center, University of Illinois, Urbana-Champaign, IL.

- 2005 **Teaching Excellence Certificate**, Texas A&M University, College Station, TX.
- 2005 **Graduate Student Travel Award**, Fannie Mae Foundation, Washington D.C.
- 2003 **Graduate Student Travel Award**, Texas A&M University, College Station, TX.
- 2000 to 2003 **Graduate Scholarship**, Texas A&M University, College Station, TX.
- 1999 **Best Paper Award**, Chinese Geography Society, China.
- 1993 to 2000 **Graduate Scholarship** in seven consecutive years, Peking University, Beijing, China.

## REFEREED JOURNAL ARTICLES

\*\* Denotes Current or Former Student

Laura Szczyrba; Yang Zhang; Duygu Pamukcu; Derya Ipek Eroglu; and Robert Weiss, (2021). "Quantifying the Role of Vulnerability in Hurricane Damage via a Machine Learning Case Study." *Natural Hazards Review*, 22 (3). DOI: [10.1061/\(ASCE\)NH.1527-6996.0000460](https://doi.org/10.1061/(ASCE)NH.1527-6996.0000460).

Min Jae Suh, Annie R. Pearce, Yang Zhang, Kenneth S. Sands, Yong Han Ahn, and Kyungki Kim, and Yang Zhang (2020) "Spillover effect of LEED-Energy Star certified office buildings on market values in New York city." *International Journal of Sustainable Building Technology and Urban Development*, 114-141, <https://doi.org/10.22712/susb.20200010>.

Xiao, Yu, Olshansky, Robert, Zhang, Yang, Johnson, Laurie, A., and Song, Yan (2019) "Financing Rapid Community Reconstruction after Catastrophic Disaster: Lessons from the 2008 Wenchuan Earthquake in China." *Natural Hazards*, <https://doi.org/10.1007/s11069-019-03789-9>.

Min Jae Suh, Annie R. Pearce, Yuhyun Song, Young Hoon Kwak, Jung In Kim, and Yang Zhang (2019) "The Impact of LEED-Energy Star Certified Office Buildings on the Market Value of Adjoining Buildings in New York City." *Journal of Green Building*, 14(1): 31-52. <https://doi.org/10.3992/1943-4618.14.1.31>

Aksha, Sanam K., Juran, Luke, Resler, Lynn M., and Zhang, Yang (2019) "An Analysis of Social Vulnerability to Natural Hazards in Nepal Using a Modified Social Vulnerability Index." *International Journal of Disaster Risk Science*, 10 (1): 103-116. <https://doi.org/10.1007/s13753-018-0192-7>

Min Jae Suh, Min-Jae, Zhang, Yang, Ahn, Yong-Han, Ma, Junkun and Pearce, Annie R. (2019) "The Impact of LEED-Energy Star Certified Office Buildings on the Market Values of Neighboring Areas in New York City" *Journal of Construction Engineering and Project Management*, 9(2): 25-51.

Song, Yan, Li, Chaosu, Olshansky, Robert, Zhang, Yang, and Xiao, Yu (2017) "Are We Planning for Sustainable Disaster Recovery? Evaluating Recovery Plans after the Wenchuan Earthquake." *Journal of Environmental Planning and Management*, 60(12):2192-2216. <https://doi.org/10.1080/09640568.2017.1282346>

Zhang, Yang, \*\*Drake, William, Xiao, Yu, Olshansky, Robert, Johnson, Laurie, and Song, Yan. (2016). "Disaster Recovery Planning after Two Catastrophes: The 1976 Tangshan Earthquake and the 2008 Wenchuan Earthquake." *International Journal of Mass Emergencies and Disasters* (IJMED), 34(2): 174-203.

Zhang, Yang, Zhang, Chun, \*\*Drake, William, and Olshansky, Robert. (2015). "Planning and Recovery Following the Great 1976 Tangshan Earthquake." *Journal of Planning History*. DOI: 10.1177/1538513214549435.

Chandrasekhar, Divya, Zhang, Yang, and Xiao, Yu. (2015). "Non-traditional Participation in Disaster Recovery Planning: Cases from China, India, and the U.S." *Journal of American Planning Association (JAPA)*, 80 (4): 373-384, DOI: [10.1080/01944363.2014.989399](https://doi.org/10.1080/01944363.2014.989399).

Peacock, Walter Gillis, Van Zanht, Shannon, Zhang, Yang, and Highfield, Wesley. (2015). "Inequities in Long-term Housing Recovery after Disasters." *Journal of American Planning Association (JAPA)*, 80:4, 356-371, DOI: [10.1080/01944363.2014.980440](https://doi.org/10.1080/01944363.2014.980440).

Zhang, Yang. (2012) "Will Natural Disasters Accelerate Neighborhood Decline?" *Environment and Planning B* 39(6): 1084-1104. <https://doi.org/10.1068/b37121>

Zhang, Chun and Zhang, Yang. (2012). "Recovery following the Tangshan Earthquake." *Urban Development Research*, 19(5): 119-126. (in Chinese)

Zhang, Yang. (2011) "Land Use Planning and Resilient City: Lessons from U.S. Experiences." *Journal of International Urban Planning*, 26(4): 2-11. (in Chinese)

Zhang, Yang. (2010) "Residential Housing Choice in a Multihazard Environment: Implications for Natural Hazards Mitigation and Community Environmental Justice." *Journal of Planning Education and Research*, 30(2): 1-15. <https://doi.org/10.1177/0739456X10381386>

Zhang, Yang and Peacock, Walter Gillis. (2010) "Planning for Housing Recovery? Lessons Learned from Hurricane Andrew." *Journal of American Planning Association*. 71 (5): 5-24. <https://doi.org/10.1080/01944360903294556>

Zhang, Yang, Hwang, Seong-Nam, and Lindell, Michael. (2010) "Hazard Proximity or Risk Perception? Evaluating Environmental Hazards' Effect on Housing Value." *Environment and Behavior*. 42(5): 597-624. <https://doi.org/10.1177/0013916509334564>

Maranville, Angela Ting, Tih-Fen, and Zhang, Yang. (2009) "An Environmental Justice Analysis, Superfund Sites and Surrounding Communities in Illinois." *Environmental Justice*. 2 (2): 49-58. <https://doi.org/10.1089/env.2008.0547>



Zhang, Yang, Lindell, Michael, and Prater, Carla (2009) "Vulnerability of Community Businesses to Environmental Disasters." *Disasters*, 33(1): 38-57.

[10.1111/j.1467-7717.2008.01061.x](https://doi.org/10.1111/j.1467-7717.2008.01061.x)

Arlikatti, Sudha, Lindell, Michael, Prater, Carla, and Zhang, Yang. (2006). "Risk Area Accuracy and Hurricane Evacuation Expectations of Coastal Residents." *Environment and Behavior*, 38(2): 226-247.

Zhang, Yang, Prater, Carla, and Lindell, Michael. (2004) "Risk Area Accuracy and Hurricane Evacuation from Hurricane Bret." *Natural Hazards Review*, 5 (3): 115-120.

Li, Guoping, and Zhang, Yang. (2001) "Industrialization and Urban Form Development in Coal Region, A Case Study on City of Funshun." *Scientia Geographica Sinica*, 21(6): 511-518.

Yang, Kaizhong and Zhang, Yang. (1999) "Industrial Structure and Cities' Comparative Advantage -- A Case Study of Tianjin, China." *Scientia Geographica Sinica*, 19(6): 510-516.

## ENCYCLOPEDIA ENTRIES

\*\* Denotes Current or Former Student

Zhang, Yang and \*\*Drake, William. (2014). "Geographic Information Systems (GIS)." In Alex Michalos (Ed.), *Encyclopedia of Quality of Life and Well-Being Research*, (pp. 2521-2524). New York: Springer.

Zhang, Yang and \*\*Drake, William. (2014). "Mapping Neighborhoods." In Alex Michalos (Ed.), *Encyclopedia of Quality of Life and Well-Being Research*, (pp. 3767-3769). New York: Springer.

## CONFERENCE PROCEEDINGS

\*\* Denotes Current or Former Student

Haque, Anmol., Irish, Jennifer, & Zhang, Yang (2021). Interdependencies between physical and social vulnerability in a storm risk assessment framework applied to Hampton Roads, Virginia. *Proceedings of the Coastal Engineering Conference* Vol. 36.

Szczyrba, Laura and Zhang, Yang and Pamukcu, Duygu and Eroglu, Derya Ipek. (2020). A Machine Learning Method to Quantify the Role of Vulnerability in Hurricane Damage. *ISCRAM 2020 Conference Proceedings – 17th International Conference on Information Systems for Crisis Response and Management*.

Eroglu, Derya Ipek and Pamukcu, Duygu and Szczyrba, Laura and Zhang, Yang. (2020). Analyzing and Contextualizing Social Vulnerability to Natural Disasters in Puerto Rico. *ISCRAM 2020 Conference Proceedings – 17th International Conference on Information Systems for Crisis Response and Management*.

Zobel, Christopher, Baghersad, Milad, and Zhang, Yang. (2017). "Calling 311: Evaluating the performance of municipal services after disasters." In Tina Comes, Frédérick Bénaben,

Chihab Hanachi, Matthieu Lauras, Aurélie Montarnal (eds), *Proceedings of the 14<sup>th</sup> ISCRAM Conference*, Albi, France, May 2017.

Zhang, Yang, \*\*Drake, William, \*\*Li, Yuhong, Zobel, Christopher and Cowell, Margaret. (2015). "Fostering Community Resilience through Adaptive Learning in a Social Media Age: Municipal Twitter Use in New Jersey following Hurricane Sandy." In Palen, Büscher, Comes and Hughes (eds.) *Proceedings of the ISCRAM 2015 Conference*, Kristiansand, Norway, May 24-27.

Peacock, Walter Gillis, Zhang, Yang and Dash, Nicole. (2007). "Sheltering, Temporary Housing, and Permanent Housing Recovery Following a Major Natural Disaster in the United States." *The International Workshop on Disaster Recovery and Rescue*, Taipei, Taiwan, November 14-15.

Lu, Jing-Chen, Peacock, Walter Gillis, Zhang, Yang, and Dash, Nicole. (2006). "A Comparative Study of Single Family and Multifamily Housing Recovery Following 1992 Hurricane Andrew in Miami-Dade County, Florida." *Hazards and Disasters Researchers Meeting*, Boulder, CO: July 11-12.

## BOOKS and BOOK CHAPTERS

\*\* Denotes Current or Former Student

Zhang, Yang and Drake William (2019) "Housing Recovery after Disasters." Pp: 264-283. In Michael K. Lindell (ed.) *The Routledge Handbook of Urban Disaster Resilience: Integrating Mitigation, Preparedness, and Recovery Planning*, New York: Routledge.

Zobel, Christopher, Baghersad, Milad, and Zhang, Yang (2018). "An approach for quantifying the multidimensional nature of disaster resilience in the context of municipal service provision." Pp. 239-261. In Alexander Fekete and Frank Fiedrich (ed.), *Urban Disaster Resilience and Security – Novel Approaches for Dealing with Risks in Societies*, New York, NY: Springer. [https://doi.org/10.1007/978-3-319-68606-6\\_15](https://doi.org/10.1007/978-3-319-68606-6_15)

Peacock, Walter Gillis, Dash, Nicole, Zhang, Yang, and Van Zandt, Shannon (2018). "Post-Disaster Sheltering, Temporary Housing and Permanent Housing." Pp. 569-595. In Havidan Rodriguez, William Donner, and Joseph E. Trainor (Eds.) *Handbook of Disaster Research*, New York: Springer.

Zhang, Yang and \*\*Drake, William (2016). "Planning for Housing Recovery after the 2008 Wenchuan Earthquake in China." Pp. 191-207. In Alka Sapat and Ann-Margaret Esnard (Eds), *Coming Home after Disaster: Multiple Dimensions of Housing Recovery*, New York: Routledge.

Zhang, Yang, Lu, Bin and Zhang, Chun. (2012). *Sustainable Urban Disaster Reduction and Hazards Mitigation, and Urban Land Use Planning*. Beijing: China Science Publishing. ISBN: 978-7-03-034904-0 (in Chinese).

Zhang, Yang, Song, Yan, Ding, Chengri. (2009). "Plan Integration for Coordinated Urban Growth in China." (pp: 116-127). In Yan Song, and Chengri Ding (Eds), *Smart Urban Growth for China*, Cambridge, MA: Lincoln Institute of Land Policy Press.

Peacock, Walter Gillis, Dash, Nicole and Zhang, Yang. (2006). "Sheltering and Housing Recovery Following Disaster." (pp. 258 – 274). In Russell Dynes, Havidan Rodriguez, and Enrico Quarantelli (Eds.) *Handbook of Disaster Research*, New York: Springer.

Zhang, Yang, Song, Yan and Ding, Chengri. (2006) "Scenario Planning: Scenario Evaluation Theory and Methodology." (pp. 57-62). In Chengri Ding and Yan Song (Eds) *Urban Planning and Spatial Structure*, Beijing: Jiagong Press (in Chinese).

Zhang, Yang. (2006). "Scenario Planning: Plan Evaluation Indicators." (pp 116-123). In Chengri Ding, and Yan Song (Eds) *Urban Planning and Spatial Structure*, Beijing: Jiagong Press (in Chinese).

Zhang, Yang. (2006). "A Survey of Planning Support Systems." (pp 147-162). In Chengri Ding, and Yan Song (Eds) *Urban Planning and Spatial Structure*, Beijing: Jiagong Press (in Chinese).

Ding, Chengri, Song, Yan and Zhang, Yang. (2006) "Data Analysis for Urban Planning." (pp 27-42). In Chengri Ding and Yan Song (Eds) *Urban Planning and Spatial Structure*, Beijing: Jiagong Press (in Chinese).

## TECHNICAL REPORTS

Roberts, Patrick, Zhang, Yang (2016). *Managing Recovery After Major Flood Disasters* (pp. 40). Seoul: Korea Research Institute for Human Settlements (KRIHS), Washington D.C.: Woodrow Wilson Center.

Roberts, Patrick, Zhang, Yang (2015). *Urban Resilience Policy to Prepare for Floods in the United States* (pp. 49). Seoul: Korea Research Institute for Human Settlements (KRIHS), Washington D.C.: Woodrow Wilson Center.

Song, Yan and Zhang, Yang. (2009). *Deciphering China's New Urban Forms: College Towns, New CBDs and Villages within Cities*. Cambridge, MA: Lincoln Institute of Land Policy.

Zhang, Yang and Maranville, Angela. (2007). *A Survey of Public Domain Data for the State of Illinois*. Springfield IL: University of Illinois at Springfield Geographic Information System Laboratory.

Lindell, Michael and Zhang, Yang. (2005). *Texas Coastal Bend Study Area Hurricane Storm Atlas*. Austin, TX: Texas Department of Public Safety.

Prater, Carla, Zhang, Yang, Arlikatti, Sudha and Lu, Jing-Chein. (2004). *Management of the Hurricane Lili Evacuation by Local Emergency Managers*. College Station TX: Texas A&M University Hazard Reduction & Recovery Center.

Ding, Chengri, Cervero, Robert, Moore, Terry, Song, Yan, Zhang, Ming, Zhang, Yang, and Bethke, Kellie. (2004). *Envisioning Beijing 2020 – Revision of Beijing Comprehensive Plan*. Cambridge, MA: Lincoln Institute of Land Policy.

Prater, Carla, Peacock, Walter Gillis, Lindell, Michael, Zhang, Yang and Lu, Jing-Chein. (2003). *A Social Vulnerability Approach to Estimating Potential Socioeconomic Impacts of Environmental Disasters*. College Station, TX: Texas A&M University Hazard Reduction & Recovery Center.

Zhang, Yang, Lindell, Michael and Prater, Carla. (2001). *Estimating Inland Wind Speeds for Hurricanes Striking the Texas Gulf Coast*. College Station, TX: Texas A&M University Hazard Reduction & Recovery Center.

Lindell, Michael, Prater, Carla, Sanderson, William, Zhang, Yang, Mohite, Amar and Hwang, Seong-Nam. (2001). *Texas Gulf Coast Residents' Expectations and Intentions Regarding Hurricane Evacuation*. College Station, TX: Texas A&M University Hazard Reduction & Recovery Center.

#### INVITED PRESENTATIONS/LECTURES

- 2020      Invited International Expert, The NSF- NHERI SimCenter Simulation and Data Needs to Support Disaster Recovery Planning Workshop, January 30-31, 2020, UC Berkeley, Berkeley, CA.
- 2015      Invited International Expert, The 9<sup>th</sup> International Association for China Planning (IACP) Conference, June 19-21, 2015, Chongqing, China.
- 2014      Guest Speaker, "Climate Change: Do Cities Hold the Solution?" The George Washington University Sustainable Urban Planning Research Symposium, October 24, Washington DC.
- 2014      Plenary Speaker, "Building Resilience after Disasters: Social Amplifications of Risk during Disaster Recovery." the 5<sup>th</sup> International Disaster and Risk Conference (IDRC), August 24-28, Davos, Switzerland.
- 2014      Session Chair, "Regional Resilience: Normative Frames and Narratives." The Global Forum on Urban and Regional Resilience Conference - New Perspective on Resilience: Normative Dimension of Resilience, October 12-14, Arlington, VA.
- 2014      Session Chair, panelist, "Research Frontiers of Disaster Resilience: Adaptive Learning and Social Media," the 2014 Ridenour Faculty Fellowship Conference on Resilience, Oct 23-24, Arlington, VA.
- 2014      Plenary Speaker, "Housing Recovery after Disasters." the Planning for Disaster Resilience Symposium, April 4-6, College Station, TX.
- 2013      Guest Lecturer, "Post-earthquake recovery following the 2008 Wenchuan Earthquake." the Peking University Shenzhen Graduate School, China.

- 2012 Plenary Speaker, "Catastrophe Insurance and Urban Resilience." the International Symposium on China's Urban Development and Land Policy, July 14-15, Beijing, China.
- 2012 Panelist, "Defining Urban Resilience." the 2012 Ridenour Faculty Fellowship Conference, Blacksburg, VA.
- 2011 Panelist, "Housing Resilience in Disaster Prone Communities." the 41<sup>st</sup> Conference of Urban Affairs Association, March 16-19, New Orleans, LA.
- 2011 Guest Lecturer, "Rebuilding Urban Places after Natural Disasters." Sichuan University, China.
- 2011 Guest Lecturer, "Post-earthquake Planning and Recovery in Tangshan following the Great 1976 Earthquake." the Urban Affairs and Planning Program Faculty Lecture Series, November 4, Virginia Tech.
- 2010 Guest Lecturer, "Urbanization in China." in Professor Sonia Hirt's class: Urban Planning and Policy, School of Public and International Affairs, Virginia Tech.
- 2009 Panelist, "Research Roundtable: Long-term Disaster Recovery and Resiliency in China and the United States: Towards a Framework for Comparative Disaster Research." the 2009 US-China Relations Conference, October 21-23, Beijing, China.
- 2009 Guest Lecturer, "Urbanization in China." in Professor Sonia Hirt's class: Urban Planning and Policy, School of Public and International Affairs, Virginia Tech.
- 2008 Guest Lecturer, "Hazard Mitigation and Post-earthquake Reconstruction in the United States." Peking University, Beijing, China.
- 2008 Guest Lecturer, "Hazard Mitigation and Post-earthquake Reconstruction in the United States." Tsinghua University, Beijing, China.
- 2007 Guest Lecturer, "GIS Applications in Public Administration." Department of Public Administration, University of Illinois, Springfield, IL.
- 2007 Guest Lecturer, "Environmental Risk Management Using GIS." Environmental Risk Management Workshop, University of Illinois, Springfield, IL.
- 2007 Guest Lecturer, "Integrated Land Use Planning." Peking University, Beijing, China.
- 2007 Guest Lecturer, "Research Design in Land Use and Environmental Planning Research." Zhejiang University, China.
- 2007 Guest Lecturer, "A Survey of Planning Support System." Sichuan University, Chengdu, China.

- 2006 “Population Dislocation, Temporary Shelter, and Permanent Housing Recovery Estimation.” Mid-American Earthquake Center, Urbana-Champaign, IL.
- 2006 “Modeling Seismic Mitigation Strategies.” Workshop on Strategic Directions for (Seismic) Risk Modeling and Decision Support, Boulder, CO.
- 2006 “Constructing Social Vulnerability Indicators Using GIS.” Brazil National Emergency Management Workshop, Texas A&M University, College Station, TX.
- 2006 “GIS Applications in Natural Hazards Management.” Russia National Emergency Management Workshop, Texas A&M University, College Station, TX.
- 2005 “Single Family Housing Recovery after a Major Natural Disaster.” Mid-American Earthquake Center, Urbana-Champaign, IL.
- 2004 “GIS Applications in Environment Hazards, Disasters and Emergency Management.” Taiwan Emergency Management Workshop, College Station, TX.

### CONFERENCE PRESENTATIONS

- 2020 Wang, Qiong; Zhang, Yang. “What Drives Hazard Mitigation Policy Adoption? — FEMA’s Property Buyout Program in Virginia.” *The 2020 Natural Hazards Researchers Meeting*, July 15 – July 16, 2020, Broomfield, CO (Virtual).
- 2020 Szczyrba, Laura; Zhang, Yang; Pamukcu, Duygu; Eroglu, Derya Ipek. “Quantifying the Role of Vulnerability in Hurricane Damage with Machine Learning Algorithms.” *The 2020 Natural Hazards Researchers Meeting*, July 15 – July 16, 2020, Broomfield, CO (Virtual).
- 2020 Haque, A., Irish, J. & Zhang, Y. “An Idealized Post-Disaster Recovery Study of a Coastal Community to Storm Hazards” [Poster session]. *45th Natural Hazards Workshop*. July 12-15, Boulder, Colorado, USA.
- 2020 Anmol Haque, Jennifer L. Irish, Yang Zhang. “Interdependencies Between Physical and Social Vulnerability In A Storm Risk Assessment Framework Applied to Hampton Roads, Virginia.” *International conference on Coastal Engineering*. Accepted for 2020 conference, which has been postponed to 2022. Sydney, Australia.
- 2019 Zhang, Yang and Wang, Qiong, “Recovery in coastal New Jersey after Superstorm Sandy: A longitudinal evaluation of the federal disaster recovery programs.” *The 2019 Association of Collegiate Schools of Planning (ACSP) Conference*, Oct. 23-26, Greenville, SC.
- 2019 Laura Szczyrba, Duygu Pamukcu, Derya Ipek Eroglu, Kris Mapili, and Yang Zhang, “Puerto Rican Household Vulnerability & Damage In the Aftermath of Hurricane María.” *The 44th Natural Hazards Workshop*, July 14-17, Boulder, CO.

- 2019 Wang, Qiong and Zhang, Yang, "What Drives Disaster Mitigation Policy Adoption? — Analysis of FEMA's Property Buyout Program." *The 44<sup>th</sup> Natural Hazards Workshop*, July 14-17, Boulder, CO.
- 2015 "Using Earthquake Recovery to Expand Development Goals: Longitudinal Assessment of Urban Expansion in Dujiangyan using Remotely Sensed Data." *The 9<sup>th</sup> International Association of China Planners (IACP) Conference*, June 19-21, Chongqing, China.
- 2015 "Fostering Disaster Resilience through Adaptive Learning in a Social Media Age: Municipal Twitter Use in New Jersey following Hurricane Sandy." *The 2015 Information Systems for Crisis Response and Management (ISCRAM) Conference*, May 24-27, Kristiansand, Norway.
- 2012 "Rebuilding Urban Place after Disasters." *The 2012 Association of Collegiate Schools of Planning (ACSP) Conference*, November 1-4, Cincinnati, OH.
- 2012 "Financing Post-Disaster Community Recovery: A Case Study of the Wenchuan Earthquake." *The 6<sup>th</sup> International Association for China Planning (IACP) Conference*, June 17-19, Wuhan, China.
- 2011 "Will Natural Disasters Accelerate Neighborhood Decline?" *The 2011 Association of Collegiate Schools of Planning (ACSP) Conference*, October 11-13, Salt Lake City, UT.
- 2010 "A Longitudinal Analysis of Effects of Hurricane Andrew on Housing Market." *The Association of American Geographers (AAG) Annual Meeting*, April 12-16, Washington D. C.
- 2009 "Environmental Hazards and Housing Choice." *The 2009 Association of Collegiate Schools of Planning (ACSP) Conference*, October 1-4, Washington D.C.
- 2009 "A Comparison of Housing Policies Following Hurricane Katrina and the Wenchuan Earthquake." June 29-30, the 2009 Urbanization in China Conference, Beijing, China.
- 2007 "Predicting Residential Land Use Change following a Major Natural Disaster – Miami-Dade County Experience after Hurricane Andrew." *ACSP Conference*, Fort Worth, TX.
- 2006 "Post Disaster Housing Turnovers following Hurricane Andrew – Implications for disaster recovery planning." *ACSP Conference*, Fort Worth, TX.
- 2006 "Single Family Housing Recovery Following Hurricane Andrew: A Hierarchical Modeling Approach." *Hazard Application and Research Annual Workshop*, Boulder, CO.
- 2005 "Housing Recovery after Hurricane Andrew and its Implications for Planners." *ACSP Conference*, Kansas City, MO.

- 2005 “Single Family Housing Recovery after Hurricane Andrew in Miami-Dade County, FL.” Southern Sociological Society Annual Conference, Charlotte, NC.
- 2005 “Spatial Pattern of Residential Land Use Changes Following Hurricane Andrew in Miami-Dade County Florida.” Hazard Application and Research Annual Workshop, Boulder, CO.
- 2004 “Modeling and Managing the Vulnerability of Community Businesses to Environmental Disasters.” ACSP Conference, Portland, OR.
- 2004 “Social Vulnerability to Natural Disasters: Concept and Measurement.” Hazard Application and Research Annual Workshop, Boulder, CO.
- 2004 “Mapping Social Vulnerability: A Case Study of Shelby County, Tennessee.” Hazard Application and Research Annual Workshop, Boulder, CO.
- 2003 “Housing Inequality in Miami-Dade County after Hurricane Andrew.” Hazard Application and Research Annual Workshop, Boulder, CO.
- 2003 “Map Reading Accuracy and Evacuation from Hurricane Bret.” Mid West Sociological Society Annual Conference, Chicago, IL.
- 2002 “Hurricane Hazard Assessment for the Gulf Coast of Texas.” Hazard Application and Research Annual Workshop, Boulder, CO.

### COURSES TAUGHT

Environmental Problem Solving Studio  
 SS: Planning Resilient and Sustainable Community  
 SS: Natural Hazards Mitigation Planning,  
 Principles of Disaster Resilience and Risk Management  
 Computational Applications in Urban Planning (GIS)  
 Quantitative Techniques in Planning  
 Advanced Quantitative Techniques in Planning Research

### GRADUATE STUDENTS COMMITTEES

Name	Faculty Role	Degree Sought	Topic	Year of Graduation
Qiong Wang	Chair	Ph.D. in Planning Governance and Globalization	From Ideas to Actions: Disaster Mitigation Policy Innovation and Adoption—Analysis of the FEMA’s Property Buyout Program	In progress



Mohammed Albarrak	Chair	Ph.D. in Planning Governance and Globalization	Implementing Smart Growth Policies and Strategies as A Growth Management Method to Control the Rapid Urban Growth and Expansion in the City of Riyadh, Saudi Arabia	In progress
Ruixiang Xie	Co-Chair	Ph.D. in Planning Governance and Globalization	What Factors Drive Disaster Resilience Policy? Evidence from FEMA's Hazard Mitigation Assistance Grant Programs	In progress
Tiffany Cousins	Co-Chair	Ph.D. in Planning Governance and Globalization	Filling in the Gaps: A Participatory Approach to Flood Mapping	In progress
Duygu Pamukcu	Member	Ph.D. in Business Information Technology	TBD	In progress
Anmol Haque	Member	Ph.D. in Civil and Environmental Engineering	Interdependencies between physical and social vulnerability in a storm risk assessment framework applied to Hampton roads, Virginia	In progress
Hye-Jeong Seo	Member	Ph.D. in Planning Governance and Globalization	Environmental risk communication in public decision-making	In progress
Boggs-Parker C	Member	Ph.D. in Planning Governance and Globalization	Meeting the self and the "Other": Intercultural learning during a faculty-led intensive service-learning course to Belize	2021
Zambrano-Cruzatty LE	Member	Ph.D. in Civil and Environmental Engineering	Advancements of Numerical Simulation Techniques to Model Geotechnical Problems in the Nearshore Zone	2021
Omchand Mahdu	Co-Chair	Ph.D. in Planning Governance and Globalization	The Impacts of Climate Change on Rice Production and Small Farmers' Adaptation: A Case of Guyana	2019

Sanam Aksha	Member	Ph.D. in Geospatial and Environmental Analysis	Assessing vulnerability and multi-hazard risk in the Nepal Himalaya	2018
Monica Licher	Member	Ph.D. in Planning, Governance and Globalization	Estimating Post-Construction Costs of a Changing Urban Stormwater Program	2016
Min Jea Suh	Member	Ph.D. in Environmental Design and Planning	The Spillover Effect of Proximity to LEED-Energy Star Certified Office Buildings On Neighborhood Market Value	2015
Yehyun An	Member	Ph.D. in Planning, Governance and Globalization	The Operationalization of Capacity Development: the Case of Urban Infrastructure Projects in India	2015
Veronica Arroyave**	Member	Ph.D. in Planning, Governance and Globalization	Network theory, disaster response, public health	2013
Anamaria Bukvic**	Member	Ph.D. in Planning, Governance and Globalization	Climate migration, climate adaptation planning	2012
William Drake	Chair	Ph.D. in Planning, Governance and Globalization	Vulnerability assessment, climate adaptation planning, organizational learning	Inactive
Laura Szczyrba	Member	Master of Geosciences.	Quantifying the role of vulnerability in hurricane damage via a machine learning case study	2020
Nathaniel Anthony Corso	Member	Master of Public and International Affairs	Southwest University students' volunteer motivations and views on volunteering	2018
Aishwarya Borate	Chair	Master of Urban and Regional Planning	Post-Sandy Single-Family Housing Market in Staten Island, New York	2018
Zihao Qiu	Member	Master of Urban and Regional Planning	Analyzing Citi Bike Use Demand Using Trip Data to Optimize the	2018

			Supply of Bike Facilities	
Judson Duryea	Member	Master of Building/Construction Science and Management	Toward an Understanding of the Effect of Market Share on Median Home Sale Price	2018
Jeena Mary Sajimon	Member	Master of Urban and Regional Planning	Urban Heat Islands: Policy & Implementation in cities in Virginia	
Damiana Isabel Pacheco-Aviles	Member	Master of Architecture	Sustainable communities after forced migration	2018
Dorian Allen	Member	Master of Urban and Regional Planning	Roanoke Valley-Alleghany Regional Commission Bikeway Corridor Study Handbook	2016
Xusheng He	Chair	Master of Urban and Regional planning	Transportation planning support system, GIS	2016
Spencer Shanholtz	Member	Master of Urban and Regional Planning	Do Qualified Allocation Plans Influence Developers' LIHTC Siting Decisions: The Case of Access to High-Performing Schools	2016
Yabai Li	Chair	Master of Urban and Regional Planning	Measuring Urban Sprawl In Washington-Arlington-Alexandria MSA Using GIS	2016
Wenzhuo Pan	Chair	Master of Urban and Regional Planning	Air Quality Dispersion Modelling Simulation, in Optimized Selection of Urban Air Quality Monitoring Site in Changzhou City, China	2016
John Robert Settle	Member	Master of Urban and Regional Planning	Miller-Southside Residential Historic Overlay District Design Guidelines Handbook	2016
Kyle Redican	Member	Master of Urban and Regional Planning	The Relationship Between Economic Well Being and Gigabit Broadband Penetration	2016

Nathan Domme	Chair	Master of Urban and Regional Planning	Modeling Effects of Land Development on Flooding in Urban New Jersey: Impervious Surface Runoff Study	2016
Adam Mawyer	Chair	Master of Urban and Regional Planning	Perceptions of the Manufacturing Industry Among Secondary Students	2016
Julia Moeller	Chair	Master of Urban and Regional Planning	Housing Recovery in Coastal New Jersey after Superstorm Sandy	2016
Banerjee, Subha Ranjan	Member	Master of Urban and Regional Planning	The Importance of Road and Bridge Maintenance	2016
Wang, Xuyue	Member	Master of Urban and Regional Planning	Assessing the State of Low Impact Development (LID) on the Virginia Tech Campus	2016
Tianjun Lu**	Member	Master of Urban and Regional Planning	Bicycle and Pedestrian Traffic Monitoring and AADT Estimation in a Small Rural College Town	2016
Amanda McGee**	Chair	Master of Urban and Regional Planning	Food access, food planning	2015
Xiaoran Li	Chair	Master of Urban and Regional Planning	Land cover change, coastal vulnerability	2015
Jingyi Yin	Chair	Master of Urban and Regional Planning	Coastal hazards management	2015
Mark Chang**	Member	Master of Urban and Regional Planning	Economic development	2016
Kristin Radar**	Chair	Master of Urban and Regional Planning	Watershed analysis, forest planning, GIS	2014
Graham Owen**	Chair	Master of Urban and Regional Planning	Carlessness, evacuation planning	2014

Alexandra Thompson**	Member	Master of Urban and Regional Planning	Land use planning, ecosystem services, GIS	2014
Jorge Ventura**	Member	Master of Urban and Regional Planning	Infrastructure planning, international development	2014
Na Gao	Member	Master of Urban and Regional Planning	Public housing, affordable housing	2014
Rongrong Wei	Member	Master of Urban and Regional Planning	Compact growth evaluation	2014
Tiffany Luu**	Chair	Master of Urban and Regional Planning	Broadband planning, rural development	2013
Kelsey Fryling	Member	Master of Urban and Regional Planning	Broadband planning	2013
Emily Neal	Member	Master of Urban and Regional Planning	Infectious disease emergency management	Inactive
Qingning Chen	Chair	Master of Urban and Regional Planning	Rural land use planning in China	2013
Renee LaSapio**	Member	Master of Urban and Regional Planning	Bike planning	2013
Xiaoxuan Peng	Chair	Master of Urban and Regional Planning	Land use planning	2013
Yuan Zhang	Member	Master of Urban and Regional Planning	Transportation planning	2013
Adam Lind	Member	Master of Urban and Regional Planning	Bike planning	2012
Cullen Meves**	Member	Master of Urban and Regional Planning	Planning technology, public participation	2012
Jed Grubbs**	Member	Master of Urban and Regional Planning	Green infrastructure	2012

Melissa Zilke**	Member	Master of Urban and Regional Planning	Affordable housing	2012
Michael Shoyer	Member	Master of Urban and Regional Planning	Public involvement using participatory photography	2012
Tommy Oravetz	Member	Master of Urban and Regional Planning	Green infrastructure	2012
Andrew Mendel	Chair	Master of Urban and Regional Planning	Land use planning	2010
Christopher Chop**	Member	Master of Urban and Regional Planning	Airport planning	2011
Dustin Aker**	Member	Master of Urban and Regional Planning	Community development	2011
Julie Chop	Member	Master of Urban and Regional Planning	Vulnerability assessment	2010
Lisa Koerner	Member	Master of Urban and Regional Planning	Coastal planning	2010
Elizabeth Stuecheli	Member	Master of Urban and Regional Planning	Global governance	2010
Megan Brady**	Member	Master of Urban and Regional Planning	Community planning, walkability	2010
Saritha Pandyat	Member	Master of Science in Civil Engineering	Campus emergency management	2011
Scott Lail	Member	Master of Urban and Regional Planning	Mega-church	2011
Sherman Taylor	Chair	Master of Urban and Regional Planning	Floodplain management	Inactive
Stephen Bzomowski	Member	Master of Urban and Regional Planning	Land use planning	2011

Swetha Kumar	Member	Master of Urban and Regional Planning	High-tech incubator	2011
Tommi Godwin**	Member	Master of Urban and Regional Planning	Climate change planning	2012
Nurmawati	Member	Master of Urban and Regional Planning	Green city	2010
William Drake	Chair	Master of Urban and Regional Planning	Brownfield development, GIS	2010
William Sutton	Chair	Master of Urban and Regional Planning	Flood hazards mitigation	2011

\*\* denotes award winning students

## SERVICES ACTIVITIES

### SCIENTIFIC JOURNAL AD HOC REVIEWS

Cities  
 Developments in the Built Environment  
 Disasters  
 Environmental Management  
 Environment and Planning A (EPA)  
 Environment and Planning B (EPB)  
 Earthquake Spectrum  
 Journal of American Planning Association (JAPA)  
 Environment Systems and Decisions  
 Global Environmental Change  
 International Journal of Computers, Environment and Urban System  
 International Journal of Mass Emergencies and Disasters  
 International Journal of Disaster Risk Reduction  
 Journal of Planning Education and Research (JPER)  
 Journal of Environmental Planning and Management (JEPM)  
 Journal of Applied Geography,  
 Journal of Geography and Planning  
 Journal of Urban Management  
 Land Use Policy  
 Natural Hazards Review  
 Natural Hazards  
 Population and Environment  
 Risk Analysis  
 Urban Studies

### SCIENTIFIC PEER REVIEWS

The United States National Science Foundation Proposal Review Panel  
 Canada Social Sciences and Humanities Research Council Proposal Review  
 Department of Homeland Security Science and Technology Directorate (S&T) Proposal Review  
 Department of Homeland Security Science and Technology Directorate (S&T) Center of Excellence (COE) Review  
 Lincoln Institute of Land Policy Proposal Review  
 Mississippi-Alabama Seat Grant Consortium Proposal Review  
 Mid-America Earthquake Center Book Review Book Panel, Strategic Directions for Risk Modeling and Decision Support  
 National PERISHIP Awards Proposal Review (Sponsored by a partnership between the National Science Foundation, University of Colorado Natural Hazards Center, Swiss Re, and the Public Entity Risk Institute)  
 National Science Foundation (NSF) and the Louisiana Board of Regents' Louisiana Experimental Program To Stimulate Competitive Research Program (EPSCoR) Proposal Review  
 Royal Society of New Zealand- Marsden Fund Proposal Review  
 The International Association of Chinese Planners (IACP) Conference Paper Review  
 The Association Collegiate of School of Planning (ACSP) Conference Paper Review

**COMMITTEES**

2018-2020	Member, College of Architecture and Urban Studies (CAUS) Promotion and Tenure Review Committee, Virginia Tech
2019-2021	Mentor, Enabling the Next Generation of Hazards and Disasters Fellowship Program, funded by the National Science Foundation (NSF)
2019	Chair, College of Architecture and Urban Studies (CAUS) Promotion and Tenure Ad Hoc Committee, Virginia Tech
2019	Member, College of Architecture and Urban Studies (CAUS) Search Committee for the Director of the School of Public and International Affairs (SPIA), Virginia Tech
2018	Chair, School of Public and International Affairs (SPIA) Search Committee for the Pre-award Associate
2018	Chair, School of Public and International Affairs (SPIA) Search Committee for the SPIA/CPAP Administrative Coordinator
2015	College Committee – Performance Review Committee for the Associate Dean for Research, College of Architecture and Urban Studies, Virginia Polytechnic Institute and State University, Blacksburg, VA
2015	College Committee – Chair, Performance Review Committee for the Institute of Policy and Governance, School of Public and International Affairs, College of



	Architecture and Urban Studies, Virginia Polytechnic Institute and State University, Blacksburg, VA
2014 to 2015	Department Committee – Faculty Search Committee, Urban Affairs and Planning Program, Virginia Polytechnic Institute and State University, Blacksburg, VA
2013 to present	University Committee -- Interdisciplinary Graduate Education Program in Disaster Resilience and Risk Management (IGEP-DRRM) Executive Committee, Virginia Polytechnic Institute and State University, Blacksburg, VA
2013 to 2014	Department Committee – Faculty Search Committee, Center for Public Administration and Policy, Virginia Polytechnic Institute and State University, Blacksburg, VA
2012 to 2015	University Committee -- Graduate Curriculum Committee, Virginia Polytechnic Institute and State University, Blacksburg, VA
2012 to present	Department Committee -- Admission Committee, Master of Urban and Regional Planning Program, Urban Affairs and Planning Program, Virginia Polytechnic Institute and State University, Blacksburg, VA
2008 to present	University Committee -- Geospatial Information Technology Committee, Virginia Polytechnic Institute and State University, Blacksburg, VA
2007 to 2008	University Committee -- Intercampus Communication Network (ICCN) Vision Council, University of Illinois System, Urbana-Champaign, IL
2007 to 2008	College Committee -- Doctoral of Public Administration Committee, University of Illinois at Springfield, Springfield, IL
2006 to 2008	University Committee -- Committee for Collaborative Geospatial Research, University of Illinois at Springfield, Springfield, IL
2006 to 2008	Department Committee -- Executive Committee, Department of Environmental Studies, University of Illinois at Springfield, Springfield, IL

### MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

American Planning Association (APA)  
American Association of Geographer (AAG)

### MEDIA INTERVIEWS AND REPORTS

2014 “Faculty gain insights from Southeast Asia.” *OutBursts – A Publication of Outreach and International Affairs*.

2012 “Summer Scholars Program Promotes Team Research and Proposal Development.” *Virginia Tech News*.

- 2011        +++“Be Prepared: Disaster Risk in Asia.” *Development Asia Magazine*.
- 2010        +++“After the Aftermath.” *Miller-McCune Magazine*.
- 2009        “Virginia Tech students make Roanoke their laboratory.” Roanoke Times.
- 2009        NewsLeader.com reported on the student Brownfield project for the City of Roanoke.
- 2009        “Hazard and Disaster Experts Yang Zhang, Patrick Robert Named Next Generation Fellows.” *Virginia Tech News*.

++ denotes media interviews