

# KIJIN SEONG

Department of Landscape Architecture and Urban Planning  
Texas A&M University, College Station, TX 77843  
Cell: (512) 571-9699, e-mail: [urscseong@tamu.edu](mailto:urscseong@tamu.edu)

## EDUCATION

<b>Ph.D. Candidate in Urban and Regional Sciences</b>	2015-Present (expected 2021)
Texas A&M University, College Station, TX	
Dissertation Title: Living with Floods: Longitudinal impact of floodplain buyouts on neighborhood change	
Committee: Shannon Van Zandt (Chair), Walter G. Peacock, Galen Newman, David Matarrita-Cascante	
<b>M.S. in Community and Regional Planning</b>	2013-2015
University of Texas at Austin, Austin, TX	
Thesis Title: Vulnerability to Flood in the Lower Onion Creek Neighborhood	
<b>M.S. in Architecture</b> (Specialization: Historic Preservation)	2010-2012
Seoul National University, Seoul, South Korea	
Thesis Title: Conservation Management Issues and Improvement Efforts for Living Heritages	
<b>Bachelor of Architecture</b>	2004-2010
Yonsei University, Seoul, South Korea	

## RESEARCH AND TEACHING INTERESTS

**Environmental Planning** | Disaster recovery, Hazard mitigation, Community resilience, Climate adaptation

**Land Use Planning** | Neighborhood change, Housing and community, Equity policy

**Methodology** | Mixed Methods, Quantitative methods, Qualitative methods, Spatial analysis, GIS, Digital communication

## PUBLICATIONS

### Peer-reviewed Journal Articles

Park, Y., Kim, M., **Seong, K.** (2020). Happy Neighborhoods in Shrinking Cities: Neighborhood Conditions and Sentiments with Twitter. *Growth and Change: A Journal of Urban and Regional Policy*.

Losey, C., **Seong, K.**, & Van Zandt, S. (2020). Redressing Racial and Environmental Injustice Through a Voluntary Acquisition and Relocation Program. *Environmental Justice*, 13(4), 120-126.

### Journal Articles under Review

**Seong, K.**, Losey, C., and Van Zandt, S. (under review). To Rebuild or Relocate? Long-term Mobility Decisions of the Hazard Mitigation Grant Program (HMGP) Recipients. *Sustainability*.

**Seong, K.**, Losey, C., and Gu, D. (under review). Naturally Resilient to Natural Hazards? Urban-Rural Disparities in Hazard Mitigation Grant Program Assistance. *Housing Policy Debate*.

### Manuscripts in Revision/Preparation

**Seong, K.** and Van Zandt, S. (in progress). Property Abandonment after Hurricanes: A longitudinal analysis in Lumberton, North Carolina.

**Seong, K.** and Van Zandt, S. (in progress). A Systematic Literature Review of Post-disaster Relocation: Driving Factors, Process, and Outcomes of Residential Relocation.

### Peer-reviewed Professional Reports

- Seong, K.** and Losey, C. (2020). To Remain or Relocate? Mobility Decisions of Homeowners Exposed to Recurrent Hurricanes. *Natural Hazards Center Quick Response Grant Report Series*, 303. Boulder, CO: Natural Hazards Center, University of Colorado Boulder. (Available at: <https://hazards.colorado.edu/quick-response-report/to-remain-or-relocate-mobility-decisions-of-homeowners-exposed-to-recurrent-hurricanes>)
- Hamideh, S., Sutley, E. J., Dillard, M., **Seong, K.**, ... Van de Lindt, J. (in progress). NIST The Center of Excellence for Risk-Based Community Resilience Planning: 2019 Lumberton Household Survey Wave 3 Report.
- Data cleaning process, ways to set up Qualtrics, and data cleaning tools.
- Sutley, E. J., Hamideh, S., Hegelson, J., Dillard, M., **Seong, K.**, ... Van de Lindt, J. (in progress). NIST The Center of Excellence for Risk-Based Community Resilience Planning: Policies and Best Practice.
- Data cleaning protocol.
- Seong, K.**, Myung, J., and Jang, E. (2010). Collaborative Governance Model for Solving the Conflicts among Stakeholders: A Study of Historic City Gyeongju. *Graduate Thesis Competition Reports of Historic City Policy, Korean Cultural Heritage Administration*.

### Published Data

- Rosenheim, N., Day, W., **Seong, K.** (2021). "Automated Neighborhood Characteristics for Community Resilience Planning." DesignSafe-Cl. <https://doi.org/10.17603/ds2-hj0p-bp40>.
- Sutley, E., Dillard, M., Hamideh, S., Peacock, W., Tobin, J., Peek, L., **Seong, K.**, Barbosa, A., Tomiczek, T., van de Lindt, J., Gu, D. (2020). "Household Survey Instrument, January 19, 2018: Wave 2", in *A Longitudinal Community Resilience Focused Technical Investigation of the Lumberton, North Carolina Flood of 2016*. DesignSafe-Cl. <https://doi.org/10.17603/ds2-db3h-gy28>.

### CONFERENCE PRESENTATION AND POSTERS

- Losey, C., **Seong, K.**, and Van Zandt, S. (Jul. 2020). "The Waters Will Rise Again": Recounting Resilience and Recovery Among HMGP Recipients. *The 45th Annual Natural Hazards Research and Application Workshop: Researchers Meeting*, Broomfield, CO.
- Losey, C., **Seong, K.**, and Van Zandt, S. (Oct. 2019). To Remain or Relocate? Long-term Mobility Decisions of Homeowners Exposed to Recurrent Hurricanes. *The 59th Association of Collegiate Schools of Planning (ACSP) Conference*, Greenville, SC. \* **2019 ACSP The Best Poster Award**
- Seong, K.**, Losey, C., and Van Zandt, S. (Sep. 2019). Post-disaster Mobility Decisions of Homeowners in Lumberton, NC. *The HRRC Symposium "Resilience Rising: Research and Practice on Hurricane Harvey and Hazards of the Future"*, Texas A&M University, College Station, TX.
- Losey, C., **Seong, K.**, and Van Zandt, S. (Jul. 2019). Long-term Mobility Decisions of Homeowners Exposed to Hurricane Matthew and Florence. *The 44th Annual Natural Hazards Research and Application Workshop*, Broomfield, CO.
- Seong, K.**, Losey, C., and Van Zandt, S. (Sep. 2019). The Paradoxes of Government Disaster Policy: Residential Mobility Decisions of Hazard Mitigation Grant Program (HMGP) Recipients. *The 44th Annual Natural Hazards Research and Application Workshop: Researchers Meeting*, Broomfield, CO.
- Sutley, E. J., Hamideh, S., Dillard, M., Gu, D., **Seong, K.**, and Van de Lindt, J., (May. 2019). Interactive Modeling of Housing Recovery as a Physical, Economic, and Social Process. *The 13th International Conference on Applications of Statistics and Probability in Civil Engineering (ICASP13)*, Seoul, South Korea.
- Seong, K.**, Van Zandt, S. (Oct. 2018). Residential Mobility after Disasters: A Systematic Approach. *The 43rd Annual Natural Hazards Research and Applications Workshop*, Broomfield, CO.

- Seong, K., Van Zandt, S.** (Apr. 2018). A Systemic Literature Review: Permanent Residential Relocation after Disasters. *The NIST-COE Semi-Annual Meeting Graduate and Post-Doctoral Poster Presentation Competition 2018*, Fort Collins, CO.
- Seong, K., Van Zandt, S.** (Apr. 2018). A Systematic Literature Review of Post-Disaster Relocation: Driving Factors, Process, and Impacts of Residential Relocation. *The 48th Annual Conference of the Urban Affairs Association*, Toronto, Ontario, Canada.
- Seong, K.** (Oct. 2017). Physical and Social Vulnerability of Social Housing and Periodic Maintenance of Housing Association in Almere, the Netherlands. *The 19th Annual College of Architecture Research Symposium*, Texas A&M University, College Station, TX.
- Seong, K., Van Zandt, S.** (Oct. 2017). Driving Factors, Process, and Impact of Permanent Relocation After Disaster. *The 2017 Association of Collegiate Schools of Planning Annual Conference*, Denver, CO.
- Seong, K., Van Zandt, S.** (Jul. 2017). Micro-scale Hazard Mitigation Approach: Calculating Parcel-level Physical Vulnerability In and Outside Floodplain. *The 2017 Natural Hazards Workshop*, Broomfield, CO.
- Seong, K., Van Zandt, S.** (Apr. 2017). Hazard Mitigation Strategies: Flood Buyout and Post-disaster Relocation in Austin's Onion Creek Neighborhood. *The NIST-Center of Excellence, Graduate and Post-Doctoral Poster Presentation Competition 2017*, Fort Collins, CO.
- Seong, K., Van Zandt, S.** (Apr. 2017). Assessing Physical and Social Vulnerability of Neighborhoods After Floods Using Remote Sensing Imagery and GIS. *The 47th Annual Conference of the Urban Affairs Association*, Minneapolis, MN.
- Seong, K.** (Nov. 2016). Property Acquisitions for Low-income Homeowners in Onion Creek Neighborhood, Austin, Texas. *The GIS Day 2016 Poster Competition*, Texas A&M University, College Station, TX.
- Seong, K., Van Zandt, S.** (Oct. 2016). Impact of Buyout and Relocation on Low-income Homeowners after Floods in Austin, Texas. *The 2016 Association of Collegiate Schools of Planning Annual Conference*, Portland, OR.
- Seong, K.** (Oct. 2016). Impact of Buyout Programs on Low-income Homeowners: A Case Study of the Onion Creek Neighborhood, Austin, Texas. *The 18th Annual College of Architecture Research Symposium*, Texas A&M University, College Station, TX.
- Seong, K., Park, S.** (Oct. 2011). Historic Preservation Issues of Korean Historic Villages: The Case of Hahoe and Yangdong. *The Academic Conference on Architectural Institute of Korea*, Gyeongsan, South Korea.

## GRANT & FUNDING

2019-2021	<b>Texas Sea Grant Grants-in-Aid of Graduate Research Program 2019-2021. Funded by National Oceanic and Atmospheric Administration (NOAA).</b> Texas Sea Grant. \$2,400. College Station, TX.
2018	<b>Quick Response Grant Program (Hurricane Florence) Funded by National Science Foundation (NSF).</b> Natural Hazards Center. \$2,700. University of Colorado Boulder, CO.

## RESEARCH PROJECTS & WORK EXPERIENCES

2017-Present	<b>The Center of Excellence for Risk-Based Community Resilience Planning (2015-2025)</b> Funded by National Institute of Standards and Technology (NIST) <ul style="list-style-type: none"> <li>• <u>Research Assistant</u>, Hazard Reduction &amp; Recovery Center, Texas A&amp;M University, College Station, TX.</li> <li>• Working with Dr. Shannon Van Zandt, Dr. Walter Peacock, and Dr. Nathanael Rosenheim</li> <li>• Developed survey instruments, data cleaning and analysis for Lumberton housing survey</li> <li>• Collaborated with interdisciplinary scholars in civil engineering, sociology, economics, and computer science</li> </ul>
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2018-2019	<b>To Remain or Relocate? Long-term Mobility Decisions of Homeowners Exposed to Recurrent Hurricanes</b> Funded by National Science Foundation (NSF), Natural Hazards Center. University of Colorado Boulder, CO. <ul style="list-style-type: none"> <li>• <u>Principal Investigator (Co-PI: Clare Losey)</u>, Texas A&amp;M University, College Station, TX.</li> <li>• Research design, IRB protocol, fieldwork, in-depth interviews, data collection, data analysis, and report writing</li> </ul>
2017-2019	<b>Unprecedented Voluntary Acquisition and Relocation Program Redresses Decades of Racial and Environmental Injustice (Environmental Justice for Hillcrest Community, Corpus Christi, TX)</b> <ul style="list-style-type: none"> <li>• <u>Researcher</u>, Texas A&amp;M University, College Station, TX.</li> <li>• Research design, data analysis, assistance of internal meetings, paper writing</li> <li>• Worked with local non-profit organizations, Texas Housers Texas RioGrande Legal Aid</li> </ul>
Apr.-Jun. 2013	<b>Residential Mobility Patterns and its Characteristics in Seoul Metropolitan Area</b> <ul style="list-style-type: none"> <li>• <u>Research Intern</u>, The Seoul Institute, Seoul, South Korea</li> <li>• Data collection, GIS analysis</li> </ul>
2011-2012	<b>Namhansanseong: Ancient Fortified Military and Cultural Landscape of Mt. Namhansan</b> <ul style="list-style-type: none"> <li>• <u>Researcher</u>, Seoul National University, SNU R&amp;DB Foundation, Seoul, South Korea</li> <li>• Preliminary research on UNESCO World Heritage, public meetings, public presentation</li> <li>• Research design for conservation and management planning section</li> </ul>
2011-2012	<b>The Preservation Management Manual for World Heritages in Korea</b> <ul style="list-style-type: none"> <li>• <u>Researcher</u>, Seoul National University, SNU R&amp;DB Foundation, Seoul, South Korea</li> <li>• Research design, data analysis, and report writing</li> </ul>
2010-2011	<b>Characteristics of International Preservation Principles</b> <ul style="list-style-type: none"> <li>• <u>Research Assistant</u>, Seoul National University, SNU R&amp;DB Foundation, Seoul, South Korea</li> <li>• Archive development, preliminary study on world heritage principles</li> </ul>
2010	<b>Preservation and Management Plan for World Heritages in Korea: Buffer Zone Development</b> <ul style="list-style-type: none"> <li>• <u>Research Assistant</u>, Seoul National University, SNU R&amp;DB Foundation, Seoul, South Korea</li> <li>• Preparation for periodic report 2012 for world heritages in Korea</li> </ul>
2008	<b>Construction Process Management for the Parc1 Project</b> <ul style="list-style-type: none"> <li>• <u>Research Intern</u>, SAMSUNG Construction Company, Seoul, South Korea</li> <li>• Fieldwork, assisted the construction process management</li> </ul>
Jun.-Aug. 2006	<b>Main Street Design for Yeongdeungpo-gu, Seoul</b> <ul style="list-style-type: none"> <li>• <u>Design Intern</u>, Iroje Architects &amp; Planners, Seoul, South Korea</li> <li>• Modeling, AUTOCAD drawing, assisted design work</li> </ul>

## TEACHING EXPERIENCES

<b>Instructor</b>	<b>URPN202-501 Building Better Cities (Fall 2018)</b> Introductory course for contemporary issues of urbanization and urban planning process
<b>Teaching Assistant</b>	<b>CARC601 Research Foundations (Fall 2016)</b> Serving as a discussion facilitator Assisting course materials and equipment  <b>URPN 460 Sustainable Communities (Fall2015 - Spring 2016)</b> Serving as a primary grader
<b>Guest Lecturer</b>	<b>Systematic Literature Review (Fall 2018)</b> CARC601 Research Foundations, Instructor: Dr. Shannon Van Zandt, Texas A&M University  <b>Disaster Recovery and Resilience in Urban Planning (Spring 2018)</b> URPN202-501 Building Better Cities, Instructor: Dr. Boah Kim, Texas A&M University

**American Industrial Cities/ Google Earth** (Spring 2018)  
URPN201-501 Evolving Cities, Instructor: Emily Tedford, Texas A&M University

**Community Resilience for Better Cities** (Fall 2017)  
URPN202-501 Building Better Cities, Instructor: Dr. Boah Kim, Texas A&M University

**Disaster Planning and Neighborhood Revitalization** (Spring 2017)  
PLAN629 Neighborhood Revitalization, Instructor: Dr. Boah Kim, Texas A&M University

**Guest Panelist** **LAND311 Landscape Design III**, Final presentation (Fall 2017)  
Instructor: Dr. Galen Newman & Dr. Ryun Jung Lee, Texas A&M University

**PLAN 667 Site Planning**, Final Presentation (Spring 2016)  
Instructor: Dr. Yunmi Park, Texas A&M University

**Teaching Certificate** **The Academy for Future Faculty (AFF) Fellow Certificate** (Spring 2018)  
The Center for Teaching Excellence, Texas A&M University

## AWARDS & HONORS

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2020-2021	<b>Texas A&amp;M University 2020-2021 Dissertation Fellowship</b> Texas A&M University (university-wide). 12-month stipend + tuition waiver. College Station, TX.
2017-2018	<b>Urban and Regional Science Doctoral Department Scholarship</b> School of Architecture, Texas A&M University, College Station, TX, United States
Jun. 2017	<b>National Science Foundation Partnerships for International Research and Education: Full-funded Field Research in the Netherlands (Coastal Flood Risk Reduction Travel Program)</b> Texas A&M University at Galveston, Galveston, TX, United States
Dec. 2015	<b>International Urban Design Trend Report, the 3<sup>rd</sup> Award</b> Seoul Design Foundation, Seoul, South Korea.
Jan. 2015	<b>International Student &amp; Scholar Services (ISSS) Scholarship</b> ISSS Committee, University of Texas, Austin, TX, United States.
Jun. 2014	<b>Potter Rose Graduate Fellowship</b> School of Architecture, University of Texas, Austin, TX, United States.
May 2014	<b>Mebane Scholarship</b> School of Architecture, University of Texas, Austin, TX, United States.
Mar. 2010- Jul. 2011	<b>Merit Scholarship</b> Dept. of Architecture, Seoul National University, Seoul, Korea.
Dec. 2010	<b>Excellence Prize</b> , Graduate Thesis Competition of Historic City Policy Korean Cultural Heritage Administration, Seoul, Korea.
Jul. 2004- Dec. 2009	<b>Merit Scholarship</b> Dept. of Architecture, Yonsei University, Seoul, Korea.
Dec. 2008	<b>Global Intern Scholarship</b> College of Engineering, Yonsei University, Seoul, Korea.
Dec. 2007	<b>Excellence Prize</b> in Architectural Design Project for Senior Housing Dept. of Architecture, Yonsei University, Seoul, Korea.
Aug. 2006	<b>Semester High Honor</b> Dept. of Architecture, Yonsei University, Seoul, Korea.

## SERVICES & ORGANIZATIONAL ACTIVITIES

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Fall 2019 -Spring 2020	<b>Student Member, Tenure-Track Faculty Search Committee</b> Dept. of Landscape Architecture and Urban Planning, Texas A&M University, College Station, TX.
Fall 2019	<b>Presenter, COA Colloquium "Care and Feeding of Graduate Advisors: How to Manage your Mentor"</b> Co-presented with Dr. Shannon Van Zandt, Clare Losey, Kijin Seong, Chandler Wilkins. College of Architecture, Texas A&M University, College Station, TX.
Fall 2018	<b>Student Session Organizer, The Center of Excellence for Risk-Based Community Resilience Planning</b> Interactive Glossary Session at NIST CoE Semi-Annual Meeting, Gaithersburg, MD.
Feb. 2018	<b>Presenter, URSC Student Organization Brown Bag Seminar. "Conducting an Interdisciplinary Field Study"</b> Co-presented with Watson, Maria, Kai Wu, Donghwan Gu. Dept. of Landscape Architecture and Urban Planning, Texas A&M University, College Station, TX.
2016-2017	<b>President, LAUP Korean Student Association</b> Dept. of Landscape Architecture and Urban Planning, Texas A&M University, College Station, TX.
2014-2016	<b>Foreign Correspondent</b> Seoul Metropolitan Government / Seoul Design Foundation.
2014-2015	<b>Dean's Ambassador</b> School of Architecture, University of Texas at Austin, TX.
2011	<b>Volunteer for NGO Support</b> Management and improvement of cultural heritage sites, Arumjigi (NGO), South Korea.
2010	<b>Program Manager</b> International Workshop, Youth in Community Action "Youth Working Together for Sustainable Communities," organized by the Korean National Commission for UNESCO, Gyeongju, Korea.
2008-2009	<b>Volunteer for NGO Support</b> Cityscape Trust Movement for Bukahyun-dong residential district and Nakwonsangga, organized by CultureLEC (NGO), Seoul, South Korea.

## PROFESSIONAL AFFILIATIONS

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Member of the Association of Collegiate School of Planning (ACSP), USA  
Member of the Urban Affair Association (UAA), USA

## GRAPHIC & RESEARCH SKILLS

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**Design Software** | Adobe InDesign/Illustrator/Photoshop, SketchUp, Google Earth Pro, AutoCAD  
**Analysis Software** | STATA, ArcGIS, Atlas.ti, SPSS, ENVI  
**Documentation Software** | Microsoft Office Suite

## LANGUAGE SKILLS

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Korean (native), English (fluent)