

Yoonjeong (Yoon) Lee

INSTITUTE FOR A DISASTER RESILIENT TEXAS

Texas A&M University, College Station, TX

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EDUCATION

Ph.D., Urban and Regional Sciences, August 2016

Texas A&M University (TAMU), College Station, TX

Dissertation title: Examining the Impact of Built Environment on Flood Losses in Seoul, Korea

Faculty chair: Dr. Samuel D. Brody

M.P.A., Public Administration, 2011

University of Seoul, Seoul, Korea

Thesis title: Examining the Impact of Air Quality on Housing Price in Seoul, Korea

B.A., Urban Administration, 2009

University of Seoul, Seoul, Korea

Exchange Student

Department of Sociology, State University of New York, Stony Brook, NY, 2008

ACADEMIC POSITIONS AND RESEARCH EXPERIENCE

Research Scientist, Institute for a Disaster Resilient Texas (IDRT), Texas A&M University, College Station, TX, 2018 -present.

Postdoctoral Research Associate, Center for Texas Beaches and Shores, Texas A&M University at Galveston, Galveston, TX, 2016- 2017.

TEACHING EXPERIENCE

Instructor, Texas A&M University at Galveston, Galveston, TX, August 2017-present

- PLAN 642 Coastal Resilience and Sustainability
- PLAN 641 Environmental Planning
- MARS 652 Sustainable Management of Coastal Margins
- MARS 689 Special Topic – International Experiences in Flood Risk Reduction

PUBLICATIONS

Lee, Y., Dally, R., Juan, A., and Diaz, N. (under review). Investigating the effectiveness of freeboard requirements in reducing inundation risk of structures in Galveston, Texas. *Journal of Flood Risk Management*.

Brody, S.D., Lee, Y., Kothuis, B. (Eds.). (2022). *Coastal Flood Risk Reduction in the Netherlands and the U.S. Upper Texas Coast*. Elsevier Press.

Lee, Y., and Kothuis, B. (2022). Measuring the educational effects of problem- and place-based research education program: the student survey. In S.D. Brody, Y. Lee, B. Kothuis (Eds.), *Coastal Flood Risk Reduction in the Netherlands and the U.S. Upper Texas Coast*. Elsevier Press.

Lee, Y., Kothuis, B. (2022). Design a transformative and authentic learning environment for an international multidisciplinary research and education program. In S.D. Brody, Y. Lee, B. Kothuis (Eds.), *Coastal Flood Risk Reduction in the Netherlands and the U.S. Upper Texas Coast*. Elsevier Press.

Lee, Y., Kothuis, B., Sebastian, A., and Brody, S. (2019). Design of Transformative Education and Authentic Learning Projects: Experiences and Lessons from an International Multidisciplinary Research and Education Program on Flood Risk Reduction. Paper presented at 2019 ASEE Annual Conference and Exposition, Tampa, FL.

Brody, S., Highfield, W., Merrell, and W., Lee, Y. (2019). Recovery versus protection-based approaches to flood risk reduction: Working towards a framework for more effective mitigation in the United States. In M. K. Lindell (Ed.), *The Handbook of Urban Disaster Resilience: Integrating Mitigation, Preparedness, and Recovery Planning*. Routledge.

Lee, Y. and Brody, S. (2018). Examining the impact of land use on Flood Losses in Seoul, Korea. *Land Use Policy*, 70, 500-509.

Brody, S., Lee, Y. and Highfield, W. (2017) Household adjustment to flood risk: A survey of coastal residents in Texas and Florida. *Disasters*, 41(3), 566-586.

Lee, Y. (2016) Examining the Impact of Built Environment on Flood Losses in Seoul, Korea. (PhD dissertation. Texas A&M University, Texas).

Lee, Y. (2011). Examining the Impact of Air Quality on Housing Price in Seoul, Korea. (Master thesis, University of Seoul, Seoul, Korea).

PRESENTATIONS

Lee, Y. (2023). International Research and Education for Coastal Resilience: The Next Generation of Research Education. Presented at 2023 Severe Storm Prediction, Education, & Evacuation from Disasters Center Conference, Houston, TX.

Lee, Y. (2023). Coastal Flood Risk Reduction Program: The next generation of research and education. Presented at 2023 IDRT Spring Symposium, Galveston, TX.

Lee, Y. (2022). Houston Delta: Current Challenges and Future Opportunities. Presented at 2022 International Delta Conference, Rotterdam/Delft, the Netherlands.

Lee, Y. (2019). Design of Transformative Education and Authentic Learning Projects: Experiences and Lessons from an International Multidisciplinary Research and Education Program on Flood Risk Reduction. Presented at 2019 ASEE Annual Conference and Exposition, Tampa, FL.

Lee, Y. (2018). Urban Resilience. Presented at the Korea Institute for Industrial Economics and Trade, Sejong, Korea.

Lee, Y. (2016). Examining the Impact of Built Environment on Flood Losses in Seoul, Korea. Presented at the Association of Collegiate Schools of Planning Annual Conference, Portland, OR.

GRANTS

2022. **International Research Experiences for Students Flood Resilience Programs** - Integrated research experiences to foster understanding on how to increase resilience in flood-prone communities (2022-2025). Awarded by: National Science Foundation.

2021. **Global Engagement Grant - Flood Resilient Aggies Program**. 2021-2025. Awarded by: Texas A&M University.

HONORS & AWARDS

2024. **John J. Koldus III Faculty & Staff Achievement Award**. Awarded by: Texas A&M University.

2011-2013. **The Korean Government Scholarship**. Awarded by: The Korean Government.

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