

Yoonjeong Lee

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Texas A&M University at Galveston
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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
Committee 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

Professional Appointments

Assistant Research Scientist, Center for Texas Beaches and Shores, Texas A&M University at Galveston, TX, January 2018-present.

- Assessing flood-resilient building codes in Houston-Galveston Area
- Assessment of educational effects of an international multidisciplinary research education program
- Investigating the factors of effective risk communication tools and risk visualization

Education Program Director, Texas A&M University at Galveston, TX, August 2017-present.

- Running a research education program of the National Science Foundation Partnership for International Research and Education (NSF PIRE) Coastal Flood Risk Reduction Program
 - Designing interdisciplinary case studies (Dutch flood risk reduction cases)
 - Research advising for participating students
 - Organizing annual research and education trip to the Netherlands
 - Managing application review and selection process

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

- Examining driving factors of Buyout program in Houston-Galveston area
- Assessing flood-resilient building codes in the Netherlands

Education Program Coordinator, Texas A&M University at Galveston, TX, February 2016-July 2017

- Organizing the research education program of National Science Foundation Partnership for International Research and Education (NSF PIRE) Coastal Flood Risk Reduction Program
 - Organizing the research trips to the Netherlands
 - Research mentoring for participating students

Research Experience

Research Assistant, Center for Texas Beaches and Shores, Texas A&M University at Galveston, Galveston, TX, February 2014-August 2016

- Ike Dike project
 - Research on Dutch's Sandmotor and Galveston Beach Nourishment projects
 - Protective flood mitigation strategies case studies
 - Multifunctional flood barriers case studies
 - Ike Dike website management
- Galveston Bay Estuary Program
 - Status and trends data update

Research Intern, Center for Regional Development, Korea Institute for Industrial Economics and Trade (KIET), Seoul, Korea, September-December 2011

- Regional Development Index update
- Suitability analysis for industrial sites

Research Assistant, Dept. of Urban Management, University of Seoul, Seoul, Korea, 2009-2010

- Comprehensive Development Plan update on Jung-gu, Seoul, Korea

Research Assistant, Global Urban Innovation Center, University of Seoul, Seoul, Korea, 2008

- Case studies of innovative cities in the world

Teaching Experience

Instructor, TAMU at Galveston, Galveston, TX, August 2017-present

- PLAN 642 Coastal Resilience and Sustainability, from Spring 2018 to present
- PLAN 641 Environmental Planning, Fall 2018 and 2020
- MARS 652 Sustainable Management of Coastal Margins, from Fall 2017 to present
- MARS 689 Special Topic – International Experiences in Flood Risk Reduction, Fall 2019

Teaching Assistant, TAMU at Galveston, Galveston, TX, January 2014-May 2016.

- PLAN 641 Environmental Planning/PLAN 642 Coastal Resiliency and Sustainability
- MARS 680 Capstone Project classes

Teaching Assistant, University of Seoul, Seoul, Korea, 2009-2010

- Classes: Introduction to Public Administration, Public Organization and Management, Land Policy, and Cities and Economics

Working Experience

Student Worker, Center for Texas Beaches and Shores, TAMU at Galveston, Galveston, TX, August 2013-February 2014

- Produced maps using GIS
- Lab management
- Community Outreach for Galveston Beach Nourishment Project

Seoul Field Trip Coordinator, Seoul Metropolitan Government and University of Seoul, Seoul, Korea, 2010

Mayor's Intern, City of Riverside, CA, February 2007

- Carried out assistance for the mayor, Ronald O. Loveridge

Publications

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* (pp. 144-156). Routledge.

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

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

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

Presentations

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. (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.

Honors & Awards

2014. **Research Travel Award**. Awarded by: Landscape Architecture and Urban Planning, Texas A&M University, TX.

2011-2014. **Competitive Scholarship**. Awarded by: Landscape Architecture and Urban Planning, Texas A&M University, TX.

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

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