Youjung Kim, Ph.D.

Assistant Professor, Department of Geography, Planning and Environment
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EDUCATION

Ph.D. **Texas A&M University, College Station, TX** **2019**
Doctor of Philosophy in Urban and Regional Science
Dissertation: Advancing scenario planning to prepare for uncertain climate
change: Future urban growth prediction and flood vulnerability
Advisors: Drs. Galen Newman (Chair), Philip Berke,
Wesley Highfield, and Burak Güneralp

M.S. **Columbia University, New York, NY** **2008**
Master of Science in Architecture and Urban Design
Design Work: Amphibious Bangkok
(The Lucille Smyser Lowenfish Memorial Prize at Columbia University, 2008)
Advisors: Professors Richard A. Plunz, Kate Orff, and Choon Choi

M.S. **Seoul National University, Seoul, Korea** **2007**
Master of Science in Urban Design
Thesis: A proposal for an administrative district in multifunctional
administrative city, Korea: Citizen friendly characters in administrative
buildings
Advisors: Drs. Kun-Hyuck Ahn (Chair), So-Hyun Park, and Seung-Bin Lim

(Exchange Student) **University of New South Wales, Sydney, Australia** **2005**
Master of Urban Development and Design (Fall)

B.E. **SungKyunKwan University, Seoul, Korea** **2003**
Bachelor of Engineering in Architecture
Bachelor of Engineering in Civil Engineering (dual degrees)

ACADEMIC WORK EXPERIENCE

Nov. 2020 ~ Present **_Assistant Professor_, Geography, Planning and Environment, Concordia University, Montreal, Quebec, Canada**

· URBS 250 Representation Methods in Urban Studies, Winter 2021

Sep. 2019 ~ Dec. 2020 **_Lecturer_, Landscape Architecture and Urban Planning, Texas A&M University, College Station, TX**

· LAND 212 Landscape Design II, Spring 2020
· URPN 325 Intro GIS in Urban Planning, Fall 2019 / Spring · Fall 2020
· PLAN 624 / URPN 220 Digital Communication I, Fall 2019 / Fall 2020

Aug.2018 ~ May.2019	*Instructor*, **Landscape Architecture and Urban Planning, Texas A&M University, College Station, TX**
	· URPN 325 Intro GIS in Urban Planning, Fall 2018 / Spring 2019
Sep.2016 ~ May.2019	*Graduate Research Assistant*, **Landscape Architecture and Urban Planning, Texas A&M University, College Station, TX**
Apr. ~ Aug. 2016	*Student Worker*, **Landscape Architecture and Urban Planning, Texas A&M University, College Station, TX**
2005	*Graduate Research Assistant,* **Urban Design Lab, Seoul National University, Seoul, Korea**

PROFESSIONAL WORK EXPERIENCE

2011 ~ 2015	*Manager,* **Urban Program and Management Team, Samsung Construction & Trade, Seoul, Korea**
2010 ~ 2011	*Senior Urban Designer,* **Urban Planning Dept., JINA Architecture Inc., Seoul, Korea**
2009	*Urban Designer,* **Urban Design Dept., Haeahn Architecture Inc., Seoul, Korea**

SERVICE ACTIVITIES

2017	*Invited Expert in Flood Mitigation and Recovery* Preliminary feasibility assessment for Bañado Sur Masterplan in Asuncion, Paraguay by KOICA (Korea International Cooperation Agency)
2009 ~ 2010	*Committee Member*, **Urban Planning in Gyeongnam-Do Province** Jury for the project, "Landscape Plan for South Sea" in Gyeongnam-Do Province, Korea

HONORS & AWARDS

Feb. 2020	**Certificate of Research Excellence (CORE) Award** Environmental Design and Research Association (EDRA)
Apr. 2019	**LAUP Outstanding Research Assistant Award** The Department of Landscape Architecture and Urban Planning, College of Architecture, Texas A&M University
May. 2018	**Research Trip Award from National Science Foundation Partnerships for International Research and Education (PIRE)** Coastal Flood Risk Reduction Program: Integrated, multi-scale approaches for understanding how to reduce vulnerability to damaging events

May. 2018	**Academy for Future Faculty Certificate**
	Center for Teaching Excellence & Office of Graduate and Professional Studies,
	Texas A&M University
May. 2018	**Teaching for Doctoral Students in Urban and Regional Science Certificate**
	Office of Graduate and Professional Studies, Texas A&M University
May. 2008	**The Lucille Smyser Lowenfish Memorial Prize**
	Awarded for the best graduate design work, "Amphibious Bangkok_ Mitigation against
	Flood & Sea Level Rise"; Columbia University, New York, NY
Aug. 2011	**Student Scholarship**
	Awarded for academic excellence; Sungkyunkwan University, Seoul, Korea

PEER-REVIEWED PUBLICATIONS

Peer-Reviewed Journal Articles

Kim, Y., Newman, G., Güneralp, B. (2020). "A Review of Driving Factors, Topics, and Scenarios in Urban Land Change Models." *Land,* 9(8), 246.
Doi:10.3390/land9080246.

Kim, Y., Newman, G. (2020). "Advancing Scenario Planning through Integrating Urban Growth Prediction with Future Flood Risk Models." *Computers, Environment and Urban Systems,* 82, 101498.
Doi: 10.1016/j.compenvurbsys.2020.101498.

Newman, G., **Kim, Y.**, Joshi, K., Liu, J. (2020). "Integrating Prediction and Performance Models into Scenario-Based Resilient Community Design." *Journal of Digital Landscape Architecture*, 5-2020, 510-520.
Doi: 10.14627/537690052.

Newman, G., **Kim, Y.**, Kim, G., Lee, R., Gu, D., Forghanparast, K., Goldberg, D. (2020). "A Python Script for Longitudinally Measuring the Duration of Vacant Land Uses." *Journal of Spatial Science*, 1-13.
Doi: 10.1080/14498596.2020.1721344.

Kim, Y., Newman, G. (2019). "Climate Change Preparedness: Comparing Future Urban Growth and Flood Risk in Amsterdam and Houston." *Sustainability,* 11(4), 1048.
Doi: 10.3390/su11041048.

Newman, G., Malecha, M., Yu, S., Qiao, Z., Horney, J., Lee, J., **Kim, Y.**, Lee, R., Berke, P. (2019). "Integrating a Resilience Scorecard and Landscape Performance Tools into a Geodesign Process." *Landscape Research,* 1-18.
Doi: 10.1080/01426397.2019.1569219.

Journal Articles Under Peer-Review

Zhu, R., Tao, Z., Newman, G., Counts, M., Meyer, M., **Kim, Y.**, Kuriyama, N., Kondo, T., Maly L., Offer, E. (under review). "Growth and Shrinking Pre and Post Tsunami in Fukushima Prefecture, Japan." *Landscape Research Record*.

Abota, K., Newman, G., Brody, S., Highfield, W., **Kim, Y.**, Juan, A. "But Them Out before They are Built: Evaluating the Proactive Acquisition of Vacant Land in Flood-Prone Areas." *Environmental Conservation*.

Journal Articles in Preparation

Kim, Y., Newman, G., Berke, P., Malecha, M., Yu, S. "Plan Evaluation using the Resilience Scorecard and Future Urban Growth Scenarios: A Case Study in Tampa, Florida." Projected submission to *Journal of American Planning Association.*

Kim, Y. "Efficacy of Land Use Plans for Future Urban Growth and Flood Risk in Austin, Texas and Tampa, Florida." Projected submission to *Applied Geography.*

Peer-Reviewed Published Abstracts: Oral Presentations

Kim, Y., Newman, G., Güneralp, B. (Oct. 2019). *A Systematic Review of Urban Land Change Modeling: Driving Factors, Topics, and Scenarios.* Association of Collegiate Schools of Planning (ACSP) 59th Annual Conference – Greenville, SC.

Kim, Y., Newman, G. (Oct. 2018). *Predicting Flood Risk Increase due to Urban Growth: the Case of Tampa, Florida.* Association of Collegiate Schools of Planning (ACSP) 58th Annual Conference – Buffalo, NY.

Newman, G., Bearfield, D., Yu, S., Lee, R., **Kim, Y.** (2018). *Regeneration as Resilience Strategy: Adapting to Climate Change through Vacant Land Conversion.* Urban Affairs Association – Toronto, Canada.

Newman, G., Malecha, M., Yu, S. Horney, J., Qiao, Z., Lee, J., **Kim, Y.**, Lee, R., Berke, P. (Mar., 2018). *Integrating Landscape Performance and Resilience Scorecard Analyses into a Geodesign Process.* Council of Educators in Landscape Architecture Conference – Blacksburg, Virginia.

Newman, G., Malecha, M., Yu, S., Qiao, Z., Horney, J., Lee, J., **Kim, Y.**, Lee, R., Berke, P. (Oct., 2017). *GeoDesign for Sea Level Rise: Vulnerability, Flood Plain and Impact Projection*. 3rd International Digital Landscape Seminar & Digital Landscape Week – Nanjing, China.

Newman, G., Berke, P., **Kim, Y.**, Lee, R., Wang, Y., Li, Q. (May, 2017). *A Participatory Process for Increasing Community Flood Resiliency.* Council of Educators in Landscape Architecture Conference – Beijing, China.

Kim, Y., Ahn, K. (Feb., 2006). *A Proposal for Administrative District in Multifunctional Administrative City, Korea_ citizen friendly characters in administrative buildings.* Korean Urban Design Institute – Gwangju, South Korea.

Peer-Reviewed Published Abstracts: Poster Sessions

Kim, Y., Newman, G., Brody, S. (Feb., 2019). *Climate Change Preparedness: Comparing Future Urban Growth and Flood Risk Prediction in Amsterdam and Houston.* Council of Educators in Landscape Architecture Conference – Sacramento, CA.

Kim, Y., Newman, G. (Oct., 2017). *Future Urban Growth and Flood Vulnerability in Tampa Florida.* Association of Collegiate Schools of Planning (ASCP) 57th Annual Conference – Denver, CO.

FUNDING *(External Grant Proposal)*

P.I. – Newman, G. and Co. P.I.s – **Kim, Y.**, Mostafavidarani, A. (**$150,000.⁰⁰**). *'SCC-PG Bridging Novel Technologies and Approaches for Resilience Planning around Coastal Hazards.'* Feb. 1, 2020 – Jan. 31, 2021. National Science Foundation, Smart and Connected Communities (S&CC) Integrative Research Planning Grant. (Rejected, submitted Sep. 6, 2019)

INVITED LECTURES AND PRESENTATIONS

Mar. 26&28. 2018	Industrial Cities & Elements of Public Space URPN 201 Evolving Cities, Texas A&M University, College Station, TX (Instructor: Emily R. Tedford)
Jun. 13. 2017	Future Urban Growth and Flood Vulnerability in Tampa, Florida Korea Research Institute for Human Settlements, Korea (Associate Research Fellow in National Urban Disaster Prevention Research Center: Dr. Woo-Suk Han)
Jan. 25. 2017	Flood Mitigation in New York and Bangkok LAND 602 Design Theory Application II, Texas A&M University, College Station, TX (Instructor: Dr. Galen Newman)
Jul. 19&26. 2016	City Comprehensive Plan, Urban Masterplan, and Diagram LAND 685 Directed Studies, Texas A&M University, College Station, TX (Instructor: Dr. Galen Newman)
Nov. 18. 2015	Urban Masterplan Projects in Korea LAND 601 Landscape Architectural Design Theory & Application I, Texas A&M University, College Station, TX (Instructor: Dr. Chanam Lee)
Sep. 30. 2015	Flood Mitigation in New York and Bangkok LAND 320 Landscape Design III, Texas A&M University, College Station, TX (Instructor: Dr. Galen Newman)

SKILLS AND INTERESTS

Computer Skills	GIS: ArcGIS Land Change Forecast Model: Land Transformation Model (LTM), a GIS based Artificial Neural Network (ANN) Statistic Model: STATA Graphic: Auto CAD, Adobe Illustrator, Photoshop, SketchUp Film Making/Editing: After Effect, Adobe Premier, Camtasia MS Office: Word, Excel, PowerPoint
Research Interests	Urban growth (land change modeling); land use planning; scenario planning; climate change; community resilience