

Seungbeom (SB) Kang

CONTACT INFORMATION

Department of Urban Planning and Engineering
College of Engineering
Yonsei University
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ACADEMIC APPOINTMENTS

Yonsei University, Seoul, South Korea

Assistant Professor of Department of Urban Planning and Engineering
College of Engineering

Mar. 2021 – Current

University of Florida, Gainesville, FL

Assistant Professor of Department of Urban and Regional Planning
College of Design, Construction and Planning

Aug. 2019 – Dec. 2020

EDUCATION

- Ph.D.** College of Engineering, The Ohio State University, Columbus, OH May. 5. 2019
Ph.D. in City and Regional Planning
- Dissertation Title: How Housing Instability Occurs: Evidence from the Panel Study of Income Dynamics
(Advisor: Dr. Rachel Garshick Kleit)
- Area of specialty: Housing Instability, Affordable Housing Policies, Urban Poverty, Residential Mobility
- MS** College of Engineering, Yonsei University, Seoul, Rep. of Korea Feb. 25. 2013
M.S. in Urban Planning and Engineering
- BS** College of Engineering, Yonsei University, Seoul, Rep. of Korea Feb. 28. 2011
B.S. in Urban Planning and Engineering
Graduated Magna cum Laude

PEER-REVIEWED PUBLICATIONS

* denotes a student collaborator

Kim, J.*, and **Kang, S.**, Predicting Longitudinal Patterns of Housing Affordability Stress: Evidence from Korea Welfare Panel Study, *Cities*, 148: 104903

Shin, H.*, and **Kang, S.**, Analyzing Spatiotemporal Patterns of Rental Transaction Prices after the Implementation of Non-Spatial Rent Regulations in South Korea, *SH Urban Research & Insight*, 13(3): 23-53 (in Korean)

Lee, S., Park, C., and **Kang, S.** (2023), Urban inequality and geography of opportunity, *Space and Environment*, 85: 285 - 320 (in Korean).

Kang, S., Kim, J.*, Nesbitt, A., Andujar, A., Denton, B., Ray, A., Watson, M., and Nguyen, D. Do Localized Housing Programs for Homeowners Lead to Racial Equity? Evidence from Florida's State Housing Initiatives Partnership Program, *Housing Studies* (Published online)

Kang, S., Jeon, J., and Airgood-Obrycki, W. Exploring Mismatch in Within-Metropolitan Affordable Housing in the United States, *Urban Studies* (Published online)

Hao, H. Wang Y., and **Kang, S.** (2022), Examining “digital” vulnerability to flooding among subsidized housing residents, *International Journal of Disaster Risk Reduction*, 82.

Kang, S., Severe and Persistent Housing Instability: Examining Low-Income Households' Residential Mobility Trajectories in the United States, *Housing Studies*, 38(9): 1615-1641.

Updated 03/15/2024
Seungbeom Kang - 1/8

- Kang, S.** and Jeon, J. (2021), Toward Suburbs: Examining Neighborhood-Level Changes in Naturally Occurring Affordable Housing Stock in Florida, USA. *Cities*, 116.
- Kang, S.** (2022), The Cumulative Relationship between Housing Instability and Mental Health: Findings from the Panel Study of Income Dynamics. *Journal of Social Distress and Homelessness*, 31(2): 191-203.
- Kang, S.** (2021). To Whom Housing Policies Provide Stable Housing: Examining Housing Assistance Recipients and Leavers. *Urban Affairs Review*, 57(5):1252-1285.
- Kang, S.** (2021). Beyond households: regional determinants of housing instability among low-income renters in the United States. *Housing Studies*, 36(1): 80-109.
- Kang, S.** (2019). Why Low-income Households Become Unstably Housed: Evidence from the Panel Study of Income Dynamics. *Housing Policy Debate*, 29(4): 559-587.
- Kang, S.** (2018). Evolution of Public Housing in the United States: Focusing on Social Services in Choice Neighborhood Initiatives. *LHI Journal*, 9(2): 21-31 (in Korean).
- Kleit, R. G., **Kang, S.**, and Scally, C. P. (2016). Why Do Housing Mobility Programs Fail in Moving Households to Better Neighborhoods? *Housing Policy Debate*, 26(1): 188-209.
- Kang, S.**, Kim, S., and Kim, K. (2013). Examining the Spatial Patterns and Dynamics of Age-specific Migration in South Korea. *European Journal of Scientific Research*, 103(4): 548-558.
- Kang, S.**, and Kim, K. (2012). Socioeconomic Adaptation Process of Korean Immigrants in the United States. *Journal of the Korean Regional Science Association*, 28(1): 19-38. (in Korean)
- Reviewed proposed articles for *Cities*, *Housing Studies*, *Housing Policy Debate*, *Journal of Urban Affairs*, *Journal of Social Distress and Homelessness*, and *International Journal of Urban Science*.

OTHER PUBLICATIONS

- Hao, H. Wang Y., and **Kang, S.** (2023), “Disaster Risk Communication and Digital Vulnerability Among Subsidized Housing Residents,” *Mitigation Matters* (edited by the Natural Hazards Center at the University of Colorado Boulder).
- Kang, S.** (2022). Smart City Planning and Citizen Participation. ISBN: 978-89-6850-695-6 (in Korean).
- Kang, S.** (2018). Remarkable Urban Growth in Columbus, Ohio and its Shadow. *Webzine* (edited by the Korean Regional Development Association (in Korean).
- Kang, S.** (2017). Book Review: Evicted: Poverty and Profit in the American City. *Journal of Planning Literature*, 32(2), 142-143.
- Kang, S.**, and Kim, J. (2016). Two Faces of Residential Mobility: The Role of Stable Housing. *Newsletter* (edited by Research Institute of Real Estate and Urban Studies at Konkuk University), 4(1) (in Korean).

WORKING PAPERS

* denotes a student collaborator

- Kang, S.** Under what conditions do affordable rental units remain? Focus on neighborhood opportunity, location affordability, and racial composition (in progress)
- Kim, G., and **Kang, S.**, Segregated by whom? Examining triple neighborhood disadvantages and activity spaces in Seoul, South Korea (in progress)
- Shin, H.*, and **Kang, S.**, Where are Neighborhoods Vulnerable to COVID-19? Focus on Changes in Housing Affordability in Seoul (in progress)
- Jung, Y.*, and **Kang, S.** More damage to whom? An exploratory examination of health and credit status changes among households at risk of losing rental deposit in Gangseo-gu, Seoul (under review) (in Korean)

Kang, S., Ahn, H.*, and Choi, S. The Most Precarious Generation in Rental Housing Markets: Estimating the Age, Period, and Cohort Effects on Housing Precariousness (under review)

Yeganeh, N., **Kang, S.**, Ray, A., and Watson, M.. Filling the blindspots: Assessing distributive equity in fund allocation of Florida's local housing program for disaster recovery (under review)

Kim, J.*, and **Kang, S.**, Heterogeneous Effects of Multidimensional Housing Insecurity on Mental Health by Gender and Region: An Intersectional Approach (under review)

Choi, S., and **Kang, S.**, Post-foreclosure trajectories in the American rental market: Focus on the trade-offs between neighborhood and housing outcomes (under review)

Kang, S., Lee, D.*, Kim, J.*, Lee, J., and Wang, Y. Do COVID-19 responses associate with prior hazard experiences? An investigation among subsidized housing residents with digital vulnerability (under review)

Ahn, H.*, and **Kang, S.**, Who is Precarious in Korean Rental Markets? Using Multidimensional Housing-Related Indicators (under review)

CONFERENCE PRESENTATIONS

Yeganeh, N., **Kang, S.**, Ray, A., and Watson, M. "Filling the blindspots: Assessing distributive equity in fund allocation of Florida's local housing program for disaster recovery" ACSP Conference in Chicago, IL, USA, 2023.

Lee, D., Kim, J., and **Kang, S.** "Evaluating the Demand-Side and Supply-Side of Housing Policy in South Korea: Which Policies Alleviate Housing Affordability Stress and Improve Mental Health?" ACSP Conference in Chicago, IL, USA, 2023.

Kim, J., and **Kang, S.** "Stable or Unstable Moving Out? A Longitudinal Analysis of Young Adults in South Korea" ACSP Conference in Chicago, IL, USA, 2023.

Shin, H., and **Kang, S.**, "Where are Neighborhoods Vulnerable to COVID-19? Focus on Changes in Housing Affordability in Seoul" 2023 Korea Association for Housing Policy Studies Annual Spring Meeting in Busan, Republic of Korea, 2023 (Selected as an excellent paper)

Lee, D., Kim, J., and **Kang, S.**, "Evaluating the demand-side and supply-side of housing policy in South Korea: Which policies alleviate housing affordability stress and improve mental health?" 2023 Korea Association for Housing Policy Studies Annual Spring Meeting in Busan, Republic of Korea, 2023.

Kim, J., and **Kang, S.**, "Leaving Home: Examining the Longitudinal Differential between Stable and Unstable Moving out in South Korea" 2023 Korea Association for Housing Policy Studies Annual Spring Meeting in Busan, Republic of Korea, 2023.

Ahn, H., and **Kang, S.**, "Analyzing housing precariousness of renter households by incorporating the hierarchical age-period-cohort modeling approach: Focus on the effects of household composition and residential location" 2023 Spring Conference of Korean Association of Space & Environment Research in Seoul, Republic of Korea, 2023.

Kim, J., and **Kang, S.**, "The Longitudinal Relation between Housing and Mental Health: Evidence from Korea Welfare Panel Study" 2022 Korea Regional Science Annual Winter Meeting in Seoul, Republic of Korea.

Kang, S., Jeon, J., and Airgood-Obrycki, W., "Exploring Within-Metropolitan Affordable Housing Mismatch in the United States" ACSP Conference in Toronto, ON, Canada, 2022.

Ahn, H. and **Kang, S.**, "Relativity of Housing Precariousness among Korean Renter Households: Evidence from Korea Housing Survey Microdata" 2022 Fall Congress of Korea Planning Association, Republic of Korea, 2022 (Selected as an excellent paper)

Kim, J., Shin, H., **Kang, S.**, "People in the Swamp: Which Households Chronically Experience Housing Affordability Stress" 2022 Korea Association for Housing Policy Studies Annual Spring Meeting in Jeonju, Republic of Korea, 2022 (Selected as an excellent paper)

Shin, H., Kim, J., **Kang, S.**, "The Analysis of Actual Transaction Patterns in Seoul's Rental Markets After the Passage of the Lease Three Act: Using Space-Time Cube" 2022 Korea Association for Housing Policy Studies Annual Spring Meeting in Jeonju, Republic of Korea, 2022.

Kang, S., “Chronic and Severe Housing Instability: Examining Residential Mobility Trajectories of Low-Income Households in the United States” UAA Conference in Washington D.C., USA, 2022

Kim, J., **Kang, S.**, Nesbitt, A., Andujar, A., Denton, B., Ray, A., Watson, M., and Nguyen, D. “Do Localized Housing Programs for Homeowners Lead to Racially Equitable Outcomes? Evidence from Florida’s State Housing Initiatives Partnership Program” UAA Conference in Washington D.C., USA, 2022

Gu, H., **Kang, S.**, Kim, K., “Predicting Housing Precariousness through Machine Learning: Focused on Periods Before and After COVID-19 in South Korea” Korea Associations for Housing Policy Studies Annual Fall Meeting, 2021 (Selected as an excellent paper)

Jeon, J., **Kang, S.**, and Kim, J., “Short-Term Rentals and Affordable Housing Stock in the Miami Metropolitan Area, USA” Korea Planners Association Annual Spring Meeting, 2021 (online).

Kang, S., “Chronic and Severe Housing Instability: Examining Residential Mobility Trajectories of Low-Income Households in the United States” UAA Conference in Washington D.C., USA, Apr. 2-4, 2020 (accepted but canceled due to COVID-19).

Kang, S., “To Whom Do Affordable Housing Policies Provide Stable Housing? Examining Housing Assistance Recipients and Leavers” UAA Conference in Los Angeles, CA, USA, Apr. 24-27, 2019.

Kang, S., “To Whom do Housing Policies Provide Stable Housing? Evidence from the Panel Study of Income Dynamics” ACSP Conference in Buffalo, NY, USA, Oct. 25-28, 2018.

Kang, S., “Identifying Factors of Housing Instability: Evidence from the Panel Study of Income Dynamics,” UAA Conference in Toronto, ON, Canada, Apr. 5-7, 2018.

Kang, S., “What Renters Need for Housing Stability: A Longitudinal Analysis of Involuntary Residential Mobility in the United States,” The 31st Edward F. Hayes Graduate Research Forum, Columbus, USA, Mar. 3. 2017 (Awarded 3rd place in social and behavioral science category).

Kang, S., “How Renters Become Unstably Housed: Multiple Types of Constrained Residential Mobility,” 56th ACSP Conference in Portland, Oregon, USA, Nov. 3-6. 2016.

Kang, S., “An Overview of Three Key Issues in Housing Instability of Low-Income Households,” Housing and the Built Environment Conference in Chicago, IL, USA, Sep. 16-19, 2015.

Kang, S., Kleit, R. G., and Scally, C. P., “Why do housing mobility programs fail to improve neighborhood quality? The interaction between housing instability and residential mobility,” UAA Conference in San Antonio, TX, USA, Mar. 19-22, 2014.

Kang, S., and Kim, K., “Interactions between Change in Housing Stock and Population Change,” Korea Planners Association Annual Spring Meeting, Seoul, Republic of Korea, Apr. 27, 2013. (in Korean)

Kang, S., Kim, S., and Kim, K., “A Study on the Spatial Patterns and Dynamics of Age-specific Migration in South Korea: An Exploratory Spatial Data Analysis,” International Symposium on City Planning 2012, Taipei, Taiwan, Aug. 23-25, 2012.

Kang, S., Kim, S., and Kim, K., “The Analysis of the Spatial Pattern of Age-specific Migration,” Korea Planners Association Annual Spring Meeting, Yongin, Republic of Korea, Apr. 28, 2012. (in Korean)

RESEARCH GRANTS

“Seeking systematic ways to manage socially mixed communities in Seoul”

Funded by the Seoul Metropolitan Council

Principle Investigator

Aug. 2023 – Dec. 2023

“Places for new opportunities during the post-pandemic era: inequality of spatial opportunities”

Funded by the National Research Foundation of Korea

Principle Investigator

Sep. 2022 – May. 2025 (Expected)

“Building service models for smart village healthcare”

Funded by Samsung C&T

Investigator (working with Dr. Kabsung Kim (PI))

Jan. 2022 – Jul. 2022

“Examining household- and neighborhood-level vulnerability to housing precariousness: Evidence from Korea Welfare Panel Study and big data analysis”

Funded by the National Research Foundation of Korea

Principle Investigator

Sep. 2021 – Feb. 2024 (Expected)

“Reviewing the development of the smart system for maintaining underground facilities in Seoul”

Funded by Seoul Metropolitan Council

Investigator (working with Dr. Dongkeun Yoon (PI))

Aug. 2021 – Nov. 2021

“Building predictive models of household- and neighborhood-level housing instability risk”

Funded by the New Faculty Grant Program of 2021 Yonsei University Future-Leading Research Initiative

Principle Investigator

May. 2021 – Apr. 2024 (Expected)

“Equity and Recovery in the State Housing Initiatives Partnership Program”

Funded by Policies for Action: Research on Housing Policies That Promote Equity Program, Robert Wood Johnson Foundation through a subcontract with Florida Housing Coalition

Investigator (led by Florida Housing Coalition and Shimberg Center for Housing Studies at University of Florida)

Dec. 2020 – Jul. 2023

“Examining “Digital” Vulnerability to Flooding among Subsidized Housing Residents in Florida”

Funded by Mitigation Matters Research Program, Natural Hazards Center

Co-Principal Investigator (working with Dr. Yan Wang (PI))

May. 2020 – Aug. 2021

“Do Housing Policies Provide Stable Housing? Evidence from the Panel Study of Income Dynamics”

Funded by 2017-2018 Center for Real Estate Research Grant, The Ohio State University

Principal Investigator (working with Dr. Rachel Garshick Kleit)

Dec. 2017 – Dec. 2018

“A Case Study on Supportive Social Services in the Choice Neighborhoods Initiatives in the United States”

Funded by the Land and Housing Institute in South Korea

Principal Investigator

Aug. 2017 – Dec. 2017

“Is Online Housing Data Reliable for Hedonic Pricing Analysis: An Observation from the Housing Market in Columbus OH”

Funded by 2016-2017 Center for Real Estate Research Grant, The Ohio State University

Research Assistant (working with Dr. Zhenhua Chen)

Mar. 2017 – Dec. 2017

“2020 Goyang City Comprehensive Development Plan (2020 Goyang Vision)”

Funded by Goyang City Government, Gyeonggi-do, Rep. of Korea

Research Assistant (working with Dr. Kabsung Kim)

Sep. 2011 – Aug. 2012

“A Study on Analyzing Economic Effects of Posco Engineering Relocation into Song-do City”

Funded by The Korean Association of Urban Policies, Gyeonggi-do, Rep. of Korea

Research Assistant (working with Dr. Kabsung Kim)

Jan. 2012 – May. 2012

“Economic Effects of Integrated Resort in Singapore”

Funded by the Korea Tourism Organization Advisory Board, Seoul, Rep. of Korea

Research Assistant (working with Dr. Kabsung Kim)

Sep. 2011 – Jan. 2012

“Feasibility Study for Guinea Green Energy Project”

Funded by GMESI Inc., Seoul, Rep. of Korea

Research Assistant (working with Dr. Kabsung Kim)

Jul. 2011 – Dec. 2011

“A Study on Direction for Suitable Urban Development by Analyzing Quality of Life”

Funded by the Seoul Metropolitan Government, Seoul, Rep. of Korea

Research Assistant (working with Dr. Kabsung Kim)

Jan. 2011 – May. 2011

AWARDS

Excellence in Teaching Award

Graduate School of Engineering, Yonsei University

2022-1, 2023-1

Excellence in Teaching Award

2021, 2022

College of Engineering, Yonsei University

Patricia Burgess Award for Best Dissertation 2019
Austin E. Knowlton School of Architecture, The Ohio State University

Writing Center's Distinguished Client Award 2019
Writing Center, The Ohio State University

3rd Prize Winner 2017
Invitational Hayes Research Forum, The Ohio State University

- In the social and behavioral science category for the campus-wide, invitational graduate school competition
- Awarded Article: "What Renters Need for Housing Stability: A Longitudinal Analysis of Involuntary Residential Mobility in the United States"

The Prize for Excellent Article 2013
Korea Planners Association (KPA) Annual Spring Meeting

- Awarded Article: "Interactions between Changes in Housing Stock and Population Change"

1st Prize Winner 2010

- University Students Academic Paper Competition, Korea Research Institute for Human Settlements, Anyang, Rep. of Korea
- Awarded Article: "Forecasting Future of Ethnic Enclaves in Seoul Metropolitan Area"

Graduate with High Praise (Magna cum Laude) 2011
Department of Urban Planning and Engineering,
College of Engineering Yonsei University, Seoul, Rep. of Korea

High Honors Spring 2009, Fall 2009, Spring 2010
Department of Urban Planning and Engineering,
College of Engineering Yonsei University, Seoul, Rep. of Korea

TEACHING EXPERIENCE

Yonsei University, Seoul, South Korea
Department of Urban Planning and Engineering

Assistant Professor Mar. 2021 – Current

- Teaching undergraduate-level courses titled "Urban Planning" and "Land and Housing Policy"
- Teaching graduate-level courses titled "Seminar on Housing Policy and Community Development," "Urban Policy Analysis and Evaluation," "Urban Housing Policy and Social Development," "Housing and Real Estate Data Analytics," and "Contemporary Urban Planning in the United States"
- Co-teaching an undergraduate-level course titled "Introduction to Urban Studies"
- Co-teaching graduate-level courses titled "Introduction to Smart City Planning," and "Sustainable Regional Development for Inclusive Society"

University of Florida, Gainesville, FL
Department of Urban and Regional Planning

Assistant Professor Aug. 2019 – Dec. 2020

- Teaching an undergraduate-level course titled "Survey of Planning Information Systems"
- Teaching a graduate-level course titled "Housing, Public Policy, and Planning," and "Urban Planning Project"

The Ohio State University, Columbus, OH
City and Regional Planning Program

Instructor Aug. 2017 – Dec. 2018

- Teaching an undergraduate-level course titled "Introduction to City and Regional Planning" (Fall 2017, Spring 2018, and Fall 2018)

The Ohio State University, Columbus, OH
Department of City and Regional Planning

Teaching Assistant Jan. 2014 – May. 2017, Jan. 2019 – May. 2019

- Working as a teaching assistant for two undergraduate-level courses, "The Socially Just City" and "The Global Environment in Planning" (Spring 2014)
- Working as a teaching assistant for one undergraduate-level course, "Creating Innovative Cities and Regions" (Fall 2014 and Spring 2019)

- Working as a teaching assistant for one graduate-level course, “Introduction to Geographic Information Systems” (Fall 2015 and Fall 2016)
- Working as a teaching assistant for one graduate-level course, “Advanced GIS for Professional Planning Practice” (Spring 2015, Spring 2016, and Spring 2017)

Yonsei University, Seoul, Rep. of Korea
Department of Urban Planning and Engineering

Teaching Assistant

Mar. 2009 – Dec. 2009, Mar. 2010 – Aug. 2010

- Working as a teaching assistant for two graduate-level courses, “Spatial Analysis and Location Theory” and “Urban Spatial Structure”.
- Working as a teaching assistant for two graduate-level courses, “Seminar on Housing and Land Policy” and “Digital City and GIS”.

INVITED PRESENTATIONS

(Invited Speaker) Education Seminar for Real Estate Analytics (organized by Korea Real Estate Analysts Association), Data and Housing Market, 3/7/2024

(Invited Speaker) Robert Wood Johnson Research Brief and Discussion (organized by Florida Housing Coalition), 10/31/2023

(Invited Speaker) Policy Debate Session at 2023 Korea Association for Housing Policy Studies Annual Spring Meeting, Spatial and temporal patterns of housing precariousness risk in South Korea, 05/19/2023

(Invited Speaker) Lecture Seminar by Hyundai Motor Company, Smart City Planning and Citizen Participation, 11/10/2022

(Invited Speaker) IJUS Young Scholar Seminar, Do Localized Housing Programs for Homeowners Lead to Racially Equitable Outcomes? Evidence from Florida’s State Housing Initiatives Partnership Program, 1/7/2022

(Invited Speaker) Inclusive City Research Committee, Korea Planning Association, Toward Suburbs: Examining Neighborhood-Level Changes in Naturally Occurring Affordable Housing Stock in Florida, USA, 5/28/2021

(Invited Speaker) Department of Urban Planning and Engineering’s 29th Anniversary Event, Presentation for participants, Short-Term Rentals and Affordable Housing Stock in the Miami Metropolitan Area, USA, 5/7/2021

(Guest Lecture) Ph.D. Program Orientation, Advice for Ph.D. students, 9/6/2019

(Guest Lecture) DCP1010 Geodesign Colloquium, Introduction to Applied GIS Skills, ten students and Crystal Goodison, ARCH 411, 9/19/2019

(Guest Lecture) URP6341 Urban Planning Project, Basics of Affordable and Fair Housing, three students, Dr. Ruth Steiner, and other three guest speakers, FAC 208, 10/8/2019

(Invited Speaker) DCP Research Symposium, The Changing Geography of Naturally Occurring Affordable Housing in Florida, 11/10/2020

(Invited Speaker) DCP Research Seminar, The Changing Geography of Naturally Occurring Affordable Housing in Florida, 11/6/2020

OTHER ACTIVITIES

Organization Memberships

- A member of the American Planning Association (APA), Association of Collegiate Schools of Planning (ACSP), Urban Affairs Association (UAA), Korea-America Association for Geospatial and Environmental Sciences, Korea Planning Association, Korean Association for Housing Policy Studies, Korea Regional Science Association

2017 Panel Study of Income Dynamics (PSID) Data User Workshop, ICPSR

Jun. 2017

Program Committee Chair, Real Estate and Housing Ph.D. conference at the Ohio State University

2017 – 2018

Program Committee Member, Real Estate and Housing Ph.D. conference at the Ohio State University

2016 – 2017

Ph.D. Workshop, Association of Collegiate Schools of Planning

Nov. 2016

Member of Columbus Housing Dialogue

2015 – 2019

Military Service at the Republic of Korea Air Force

Apr. 2006 – Jun. 2008

- Honorably discharged as Petty Officer (Administrative Clerk) from the 20th Fighter Wing