

# Seungbeom (SB) Kang

## CONTACT INFORMATION

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

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### Yonsei University, Seoul, South Korea

**Assistant Professor** of Department of Urban Planning and Engineering Mar. 2021 – Current  
College of Engineering

### University of Florida, Gainesville, FL

**Assistant Professor** of Department of Urban and Regional Planning Aug. 2019 – Dec. 2020  
College of Design, Construction and Planning

## EDUCATION

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- 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

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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* (Published online)

**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*, *Journal of Urban Affairs*, *Journal of Social Distress and Homelessness* and *International Journal of Urban Science*.

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## OTHER PUBLICATIONS

**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).

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## WORKING PAPERS

Yeganeh, N., **Kang, S.**, Nesbitt, A., Andujar, A., Denton, B., Ray, A., Watson, M., and Nguyen, D. Assessing distributive inequities in fund allocation between FEMA's disaster recovery assistance and Florida's local housing programs (in progress)

**Kang, S.**, Lee, D., Kim, J., Lee, J., and Wang, Y. Examining the Associations between Digital Divide, flood-related experience, preparedness for flooding risk, and responses to COVID-19 among subsidized housing residents in Florida, USA (in progress)

Ahn, H., and **Kang, S.**, Uneven and Widening Risk of Housing Precariousness among Renter Households: Evidence from Korea Housing Survey Microdata between 2006 and 2020 (in progress)

Shin, H., and **Kang, S.**, Analyzing Spatiotemporal Patterns of Rental Transaction Prices after the Implementation of Non-spatial Rent Regulations in South Korea (in progress)

Jeon, J., **Kang, S.**, and Kim, J. Peer-to-Peer Accommodation and Affordable Housing Stock in the Miami Metropolitan Area (in progress)

Kim, J., **Kang, S.**, Predicting Longitudinal Patterns of Housing Affordability Stress: Evidence from Korea Welfare Panel Study (under review)

**Kang, S.**, Ahn, H., and Park, M. Framing Housing Precariousness in South Korea: A Research and Policy Review (under review)

**Kang, S.**, Jeon, J., and Airgood-Obyrcki, W. Exploring Mismatch in Within-Metropolitan Affordable Housing in the United States (soon to be resubmitted to *Urban Studies*)

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 (under review)

## CONFERENCE PRESENTATIONS

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- 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 31<sup>st</sup> Edward F. Hayes Graduate Research Forum, Columbus, USA, Mar. 3. 2017 (Awarded 3<sup>rd</sup> place in social and behavioral science category).
- Kang, S.**, “How Renters Become Unstably Housed: Multiple Types of Constrained Residential Mobility,” 56<sup>th</sup> 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

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***“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 (Expected)

***“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

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- Excellence in Teaching Award** 2022-1  
 Graduate School of Engineering, Yonsei University
- Excellence in Teaching Award** 2021-2  
 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
- 3<sup>rd</sup> 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”
- 1<sup>st</sup> 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

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- Yonsei University**, Seoul, South Korea  
 Department of Urban Planning and Engineering
- Assistant Professor** Mar. 2021 – Current
- Teaching two undergraduate-level courses titled “Urban Planning” and “Land and Housing Policy”
  - Teaching three graduate-level courses titled “Seminar on Housing Policy and Community Development,” “Urban Policy Analysis and Evaluation,” and “Urban Housing Policy and Social Development”
  - Co-teaching an undergraduate-level course titled “Introduction to Urban Studies”

- Co-teaching a graduate-level course titled “Introduction to Smart City Planning”

**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”.

## SCHOLARSHIPS

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**Travel Scholarship**, City and Regional Planning School, The Ohio State University

- Granted \$500 (Spring 2019)

**Conference Travel Funding**, Center for Urban and Regional Analysis, The Ohio State University

- Granted \$1,000 (Fall 2016)

**Workshop Travel Funding**, Association of Collegiate Schools of Planning

- Granted \$300 (Fall 2016)

**Travel Scholarship**, City and Regional Planning School, The Ohio State University

- Granted \$200 (Fall 2015)

**Research Assistantship Scholarship**, Graduate School, Yonsei University

- Granted approximately \$25,000 (Spring 2011, Fall 2011, Spring 2012, and Fall 2012)

**Internal Scholarship**, Graduate School, Yonsei University

- Granted approximately \$2,000 (Spring 2012, and Fall 2012)

**National Scholarship of Science and Engineering**, Korea Student Aid Foundation

- Full tuition grant for academic excellence, approximately \$30,000 (Spring 2004, Fall 2005, Fall 2008, Spring 2009, Fall 2009, Spring 2010, and Fall 2010)

## INVITED PRESENTATIONS

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(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 29<sup>th</sup> 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**

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**Program Committee Chair**, Smart City & Data Science International Research Webinar at Yonsei University  
2021 - Current

### **Program Memberships**

- A member of Innovative Talent Education Program for Smart City 2021 - Current

### **Committee Memberships**

- A member of DCP Diversity Committee 2020

### **Organization Memberships**

- A member of American Planning Association, Association of Collegiate Schools of Planning, Urban Affairs Association, Korea-America Association for Geospatial and Environmental Sciences, Korea Planning 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