

Keunhyun Park

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EDUCATION

- 2018 Ph.D. in Metropolitan Planning, Policy & Design, **University of Utah**
Dissertation: Measuring the Dynamics of Public Space Use Using Unmanned Aerial Vehicles (UAVs)
- 2010 Master of Landscape Architecture, **Seoul National University**
Thesis: A Political Economic Interpretation on Production and Change of Contemporary Urban Landscape
- 2008 Bachelor of Science in Agriculture (with concentration on Landscape Architecture), **Seoul National University**

ACADEMIC AND PROFESSIONAL EXPERIENCE

- Fall 2018 – **Assistant Professor**, Department of Landscape Architecture & Environmental Planning, Utah State University
- 2014 – 2018 **Research Assistant**, Metropolitan Research Center
Department of City & Metropolitan Planning, University of Utah
- 2010 – 2014 **Researcher**, Urban Research Division,
Korea Research Institute for Human Settlements
- 2008 – 2010 **Researcher**, Integrated Design and Landscape Aesthetic Laboratory,
Department of Landscape Architecture, Seoul National University

PUBLICATIONS

1. Peer-reviewed Articles

- In press **Park, K.** Park and neighborhood attributes associated with park use: An observational study using unmanned aerial vehicles (UAVs), *Environment & Behavior*
- Park, K.** Ewing, R. Sabouri, S., & Larsen, J. Street life and the built environment in an auto-oriented US region, *Cities*. <https://doi.org/10.1016/j.cities.2018.11.005>

- Park, K.** & Ewing, R. The usability of unmanned aerial vehicles (UAVs) for pedestrian observation, *Journal of Planning Education and Research*.
<https://doi.org/10.1177/0739456X18805154>
- Stevens, M. **Park, K.**, Tian, G., Kim, K. & Ewing, R. Why Do Some Articles in Planning Journals Get Cited More than Others?, *Journal of Planning Education and Research*. <https://doi.org/10.1177/0739456X19827083>
- Tian, G., **Park, K.**, & Ewing, R. Trip and parking generation rates for different housing types: Effects of compact development, *Urban Studies*.
<https://doi.org/10.1177/0042098018770075>
- Zandiatashbar, A., Hamidi, S., Foster, N., & **Park, K.** The missing link between place and productivity? The impact of Transit-Oriented Development on the knowledge and creativity economy, *Journal of Planning Education and Research*.
<https://doi.org/10.1177/0739456X19826271>
- 2019 **Park, K.**, Choi, D., Tian, G., & Ewing, R. Not parking lots but parks: Joint association of parks and transit stations with travel behavior, *International Journal of Environmental Research and Public Health* 16(4), 547.
<https://doi.org/10.3390/ijerph16040547>.
- Ewing, R., Tian, G., **Park, K.**, Sabouri, S., Stinger, P. & Profitt, D. Comparative Case Studies: Trip and Parking Generation at Orenco Station TOD, Portland Region and Station Park TAD, Salt Lake City Region, *Cities* 87: 48-59.
<https://doi.org/10.1016/j.cities.2018.12.020>
- 2018 **Park, K.**, Ewing, R., Scheer, B., & Khan, S. Travel behavior in TODs vs. non-TODs: Using cluster analysis and propensity score matching, *Transportation Research Record: Journal of the Transportation Research Board* 2672(6): 31–39.
<https://doi.org/10.1177/0361198118774159>
- Park, K.**, Ewing, R., & Scheer, B.C. The impacts of built environment characteristics of rail-based station areas on household travel behavior, *Cities* 74: 277-283.
<https://doi.org/10.1016/j.cities.2017.12.015>
- 2017 **Park, K.** & Ewing, R. The usability of unmanned aerial vehicles (UAVs) for measuring park-based physical activity. *Landscape and Urban Planning* 167: 157-164. <http://dx.doi.org/10.1016/j.landurbplan.2017.06.010>
- Park, K.** Psychological park accessibility: A systematic literature review of perceptual components affecting park use. *Landscape Research* 42(5): 508-520.
<http://dx.doi.org/10.1080/01426397.2016.1267127>
- 2016 **Park, K.** & Park, S. A preliminary study on usability of unmanned aerial vehicles in observing park users: Focused on urban parks in Busan. *Journal of the Korean Institute of Landscape Architecture* 44(4): 35-44. (in Korean)
- 2013 Kim, J. & **Park, K.** Functionality and accessibility of linear parks: Comparative case study with conventional neighborhood parks. *Journal of Korea Planners Association* 48(6): 89-106. (corresponding author; in Korean)

- Park, K.** & Pae, J. Landscape as materialized discourse and capital: Political economic interpretation of urban landscape. *Journal of the Korean Institute of Landscape Architecture* 41(6): 117-128. (in Korean)
- 2012 **Park, K.** & Pae, J. Implication of the city beautiful movement on landscape architectural history and contemporary urban regeneration. *Journal of the Korean Landscape Council* 4(1): 41-60. (in Korean)
- 2008 **Park, K.** & Pae, J. Design strategies of large park in the International Design Competition for Central Open Space, Korea,” *Journal of the Korean Institute of Landscape Architecture* 36(5): 13-25. (in Korean)

2. Book in Preparation

- 1) *Basic Quantitative Research Methods for Urban Planners – Volume 1* (co-editor with Reid Ewing; co-author of several chapters)
- 2) *Advanced Quantitative Research Methods for Urban Planners – Volume 2* (co-editor with Reid Ewing; co-author of several chapters)
- 3) *Case Studies in Transit-Oriented Development* (co-author)

3. Book Translation (English to Korean)

- 2013 OECD (2012). *OECD urban policy reviews: Korea*, Korea Research Institute for Human Settlements trans., Anyang: KRIHS
- 2010 Czerniak, J. & G. Hargreaves eds. (2007). *Large parks*, J. Pae and IDLA trans., Paju: Jokyong

4. Other Publications

- 2015 **Park, K.** the High Line in New York, 3rd phase: its characteristics and implications. *Architectural and Urban Space* (Vol.16), AURI, pp.52-58.
- Kim, K. & **Park, K.** (in progress) Case study: 16th Street Mall, Denver, USA, Oh, S. (ed.) *Urban Design for Pedestrians II*, AURI (a book chapter in progress).
- 2014 Kim, E., & **Park, K.** Policy suggestions for effective implementation of the smart growth initiative in non-urbanized areas. *KRIHS Policy Brief* (No.472), KRIHS, pp.1-6.
- Park, K.**, Kim, J., & Lee, T. Role of linear parks on making cities for people. *KRIHS Policy Brief* (No.448), KRIHS, pp.1-8.
- 2013 Park, S., Jung, Y., & **Park, K.** Shrinking cities and planning implications. *KRIHS Policy Brief* (No.422). KRIHS, pp.1-6.
- Park, K.** Park connector in garden-city Singapore. *Planning and Policy* (No.376), KRIHS, pp.102-108.

TEACHING EXPERIENCE

- 2019 Spring **Instructor**, Research Methods in Landscape Architecture (LAEP6880), Utah State University
Instructor (co-teaching), Advanced Geospatial Analysis and Visualization (LAEP3400/6400), Utah State University
Instructor (co-teaching), Graduate Reading Seminar (LAEP6910), Utah State University
- 2018 Fall **Instructor**, GIS in Environmental Planning (LAEP3300/6300), Utah State University
Instructor (co-teaching), 3D Landscape Representation (LAEP2400), Utah State University
Instructor (co-teaching), Issues in Landscape Architecture (LAEP6860), Utah State University
- 2018 Spring **Instructor** (co-teaching), Urban Research (CMP6010), University of Utah
- 2016 Fall **Instructor** (co-teaching), Research Methods in Urban Ecology (CMP4010), University of Utah
- 2016 Spring **Teaching Assistant**, Urban Design Principles (CMP6440), University of Utah
- 2008 Fall **Teaching Assistant**, Topics in Environmental Aesthetics, Seoul National University
- 2008 Spring **Teaching Assistant**, Landscape Composition, Seoul National University

RESEARCH GRANTS

1. Extramural and Intramural Grants

- 2018 **Principal Investigator**, “Toward an understanding of the UTA customer experience: Focusing on out-of-vehicle environments,” Utah Transit Authority (UTA) & Utah Department of Transportation (UDOT) (\$40,000)
- 2017 **Principal Investigator**, “Not parking lots but parks: The impact of urban parks on sustainable travel behavior in station areas,” Graduate Student Research Funding, Global Change and Sustainability Center (GCSC) at the University of Utah (\$1,150)
Principal Investigator, “Can a drone monitor park-based physical activity?”, Public Health Grant at experiment.com (a crowdfunding platform for scientific research) (\$3,651)
- 2016 **Principal Investigator**, “A case study of integrated urban regeneration projects utilizing rail station areas,” Research Grant for Young Scholars Abroad, Korea Land & Housing Institute (\$1,000)
- 2015 **Research Assistant (writing the proposal)**, “How does transportation affordability vary between TODs and TADs?” (P.I.: Brenda C. Sheer), National Institute for Transportation and Communities (\$35,705)

2013 **Principle Investigator**, “Functionality and accessibility of linear parks based on the concept of park welfare,” Korea Research Institute for Human Settlements (\$10,000)

2. Research Grants under Review or in Preparation

Principal Investigator, “UAS-based survey and visualization of backcountry airstrip sites in Utah,” UDOT UTRAC + Public Lands Initiative Grants, USU Utah Agricultural Experiment Station (UAES)

Principal Investigator, “Observing human behavior in green infrastructure: usability of digital technologies in behavioral research,” NSF Smart and Connected Communities (S&CC)

Principal Investigator, “Can ride-sourcing services make households less car-dependent?,” Lee Schipper Memorial Scholarship for Sustainable Transport and Energy Efficiency

Co-PI, “Inhaling Data: Using Sensors and Visualization to Help Communities Improve Children’s Access to Cleaner Air and Healthier Play,” NSF Cyber-Physical Systems (CPS) + UAES Seed Grant

Co-PI, “At the Intersection of Pedestrian Safety and UAS,” UDOT UTRAC

Co-PI, “Utilizing archived traffic signal performance measures for pedestrian planning & analysis – Phase II: Extending pedestrian volume estimation capabilities to non-signalized intersections,” UDOT UTRAC

AWARDS AND HONORS

2018 **TRB Best Paper Award** (Park et al., “Travel Behavior in TODs vs. non-TODs: Using Cluster Analysis and Propensity Score Matching”), Transportation and Land Development Committee (ADD30) of the Transportation Research Board

Arthur C. Nelson & Clark Ivory Doctoral Scholarship, Department of City & Metropolitan Planning, University of Utah

2017 **CMP (City & Metropolitan Planning) Scholarship**, Department of City & Metropolitan Planning, University of Utah

Sustainability Teaching Scholar, Sustainability Office, University of Utah

2008 **The 3rd Prize**, The 2nd National Competition of Korea Promising Landscape Architect, Korean Institute of Landscape Architecture & Korea Land Corporation

2008 **The 2nd Prize**, Design Competition of a Creative Park for Children, Seoul Metropolitan Government

2004 **Runner-up Prize**, The 2nd Rural Amenity Design Competition, Rural Development Administration

2007 **Scholarship for Overseas Field Trip**, Alumni Association of Department of Landscape Architecture, Seoul National University

2003 – 2008 **Student Scholarships**, Seoul National University

PERSONAL AND COMMUNITY SERVICE

- 2018 – **LAEP research coordinator**, Department of Landscape Architecture and Environmental Planning, Utah State University
Ph.D. curriculum committee member, Ph.D. program in Landscape Architecture, Utah State University
CAAS undergraduate scholarship committee member, Utah State University
Faculty search committee member, Department of Landscape Architecture and Environmental Planning, Utah State University
- 2016 – 2017 **Doctoral committee member**, Ph.D. program in Metropolitan Planning, Policy, and Design, University of Utah
- 2008 – 2009 **President of Student Council of the graduate school of landscape architecture**, Seoul National University
- 2004 – 2006 **Conscripted firefighter** (for military service), Daejeon central fire station
- 2003 – 2004 **Manager and founding member**, Edu-Planner (a start-up business in education consulting)

SKILLS AND INTERESTS

1. Computer Software

Advanced: R, ArcGIS, HLM, Adobe software (Photoshop, Illustrator, InDesign), MS Office

Intermediate: Python, QGIS, SPSS, AMOS, Mplus, Rhinoceros, Google Sketch up, AutoCAD

2. Certificate

Remote Pilot Airman Certificate, U.S. Federal Aviation Administration (Feb. 2017)

Engineer Landscape Architecture License, Human Resource Development Service of Korea (Jun. 2007)

Computer Specialist in Spreadsheet & Database (Level-1), Korea Chamber of Commerce and Industry (May. 2005)

3. Research Interests

Technology-driven behavioral research in public space; Unmanned Aerial Vehicles (UAVs); Behavioral outcomes of smart growth; Health and design; Urban design analysis

REVIEWER OF JOURNAL MANUSCRIPTS AND CONFERENCE ABSTRACTS

Landscape and Urban Planning

Journal of Planning Education and Research

Urban Studies

Case Studies on Transport Policy

Transportation Research Record: Journal of the Transportation Research Board
CELA (Council of Educators in Landscape Architecture) conference

CONFERENCE PRESENTATIONS

- 2019 Ewing, R, **Park, K.**, Stinger, P., & Southgate, J. Trip and Parking Generation at Orenco Station TOD and Station Park TAD, RMLUI 2019 Annual Land Use Western Places/Western Spaces conference (Denver, CO).
- Rose, J., Hinners, S., & **Park, K.** Unsheltered homelessness and urban hydrosocial relations: Embodied political ecologies of two Salt Lake City riparian corridors, AAG Annual Meeting 2019 (Washington D.C.).
- Park, K.** & Ewing, R. A new tool for pedestrian observation: Reliability and efficiency of small Unmanned Aircraft Systems (UAS), TRB 98th Annual Meeting (Washington, D.C.).
- Park, K.**, Ewing, R., Sabouri, S., & Larsen, J. Neighborhood- and Street-level Built Environment Characteristics Related to Pedestrian Activity in a Western U.S. County, TRB 98th Annual Meeting (Washington, D.C.).
- Park, K.**, Sabouri, S., Lyons, T., Tian, G., Worthen, C., & Ewing, R. Intrazonal or Interzonal? Improving Intrazonal Travel Forecast in a Four-Step Travel Demand Model, TRB 98th Annual Meeting (Washington, D.C.).
- Ewing, R., Tian, G., **Park, K.**, & Stinger, P. Comparative Case Studies: Trip and Parking Generation at Orenco Station TOD, Portland Region and Station Park TAD, Salt Lake City Region, TRB 98th Annual Meeting (Washington, D.C.).
- Zandiatashbar, A., Hamidi, S., Foster, N., & **Park, K.** The Missing Link Between Place and Productivity? The Impact of Transit-Oriented Development on the Knowledge and Creativity Economy, TRB 98th Annual Meeting (Washington, D.C.).
- Miller, M., Ewing, R., Dillon, A., Tian, G., & **Park, K.** Effect of D-Variables on Residential Parking Demand, TRB 98th Annual Meeting (Washington, D.C.).
- 2018 **Park, K.** Park and Neighborhood Attributes Associated with Park Use: An Observational Study Using Unmanned Aerial Vehicles (UAVs), ACSP 57th Annual Conference (Buffalo, NY).
- Choi, D., Rose, J., Hinners, S., & **Park, K.** Mapping and measuring the urban-wildland juxtaposition, 24th International Symposium on Society and Resource Management (ISSRM) (Salt Lake City, UT).
- Choi, D., Hinners, S., Rose, J., & **Park, K.** “Urban-Wildland Juxtaposition Index”: A framework for understanding the human-nature interaction, APA 2018 National Planning Conference (New Orleans, LA).
- Park, K.** Not Parking Lots but Parks: The impact of urban parks on sustainable travel behavior in station areas, 2018 Environment & Sustainability Research Symposium at the University of Utah (Salt Lake City, UT).

- Park, K.**, Ewing, R., Scheer, B.C., & Khan, S.S.A. Travel behavior in TODs vs. non-TODs: Using cluster analysis and propensity score matching, TRB 97th Annual Meeting (Washington, D.C.).
- Tian, G., **Park, K.**, & Ewing, R. Trip and parking generation rates for different housing types: Effects of compact development, TRB 97th Annual Meeting (Washington, D.C.).
- Ewing, R., Tian, G., **Park, K.**, Stinger, P., & Southgate, J. Trip and parking generation study of Orenco station TOD, Portland region, TRB 97th Annual Meeting (Washington, D.C.).
- 2017 **Park, K.** & Ewing, R. The usability of unmanned aerial vehicles (UAVs) for pedestrian observation, ACSP 56th Annual Conference (Denver, CO).
- Stevens, M., **Park, K.**, Tian, G., & Ewing, R. Why some articles in planning journals get cited more than others?, ACSP 56th Annual Conference (Denver, CO).
- Ewing, R., Tian, G., & **Park, K.** Understanding Transit-Oriented Development (TOD) and Transit-Adjacent Development (TAD), APA Utah Chapter Fall Conference 2017 (Park City, UT).
- Park, K.** Usability of unmanned aerial vehicles (UAVs) to measure park use, APA 2017 National Planning Conference (New York, NY).
- Park, K.**, Ewing, R., Scheer, B.C., & Khan, S.S.A. Travel behavior in TODs vs. non-TODs: Using cluster analysis and propensity score matching, TRB 96th Annual Meeting (Washington, D.C.).
- 2016 **Park, K.** “Psychological park accessibility”: A literature review of perceptual components affecting park use. CELA 2016 (Salt Lake City, UT).
- Park, K.** & Ewing, R. The impact of urban parks on sustainable travel behavior in station areas, ACSP 56th Annual Conference (Portland, OR).
- Park, K.**, Tian, G. & Ewing, R. Does a TOD need a park?, APA 2016 National Planning Conference (Phoenix, AZ).
- Ganning, J., **Park, K.**, & Beaudoin, M. How effective is commuter rail in spatially pairing supply and demand for commuting infrastructure?. TRB 95th Annual Meeting (Washington, D.C.).
- 2009 **Park, K.** & Pae, J. City beautiful movement and its implication on landscape architectural history. Korean Institute of Landscape Architecture Conference, pp.68-71 (Seoul, South Korea).
- Park, K.** & Pae, J. Production and reproduction of landscapes in the capitalist city. International Federation of Landscape Architects Asian-Pacific Region (IFLA APR) Congress, pp.63-72 (Incheon, South Korea).
- 2008 Pae, J., Lee, D., Joo, S., Ahn, M., & **Park, K.** The selection system of distinguished amenity in Korean rural landscape,” 2008 KSRP/RPA International Symposium, pp.105-108 (Tokyo, Japan).

INVITED TALK

2018 “Measuring Public Space Use by Drones,” Laboratory of Landscape Ecology & Climate Change Adaptation, Seoul National University

PROFESSIONAL AFFILIATIONS

2019 – present Member, International Association for China Planning (IACP)

2018 – present Member, International Association for Society and Natural Resources (IASNR)

2016 – present Member, Association of Collegiate Schools of Planning (ACSP)
Member, Congress for the New Urbanism (CNU)

2014 – present Member, American Planning Association (APA)

2011 – present Member, Korean Landscape Council
Member, Korea Planners Association

2010 – present Member, Korean Association of Space & Environment Research
Member, Urban Design Institute of Korea

2008 – present Member, Korean Institute of Landscape Architecture