

## Keunhyun Park

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### EDUCATION

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- 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

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- 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

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#### 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*. <https://doi.org/10.1177/0013916518811418>
- 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>
- 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, *Transportation*
- 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, 3<sup>rd</sup> 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.

## RESEARCH GRANTS

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### 1. Extramural 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**, “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)

### 2. Intramural Grants

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

### 3. 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

## CONFERENCE PRESENTATIONS

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- 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 56<sup>th</sup> 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**

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

## **TEACHING EXPERIENCE**

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- 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

## **PERSONAL AND COMMUNITY SERVICE**

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- 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)

## **REVIEWER OF JOURNAL MANUSCRIPTS AND CONFERENCE ABSTRACTS**

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*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*

## **AWARDS AND HONORS**

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- 2019      **Finalist**, Can Ride-sourcing Services Make Households Less Car-Dependent?, 2019 Lee Schipper Memorial Scholarship
- 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 3<sup>rd</sup> Prize**, The 2<sup>nd</sup> National Competition of Korea Promising Landscape Architect, Korean Institute of Landscape Architecture & Korea Land Corporation
- 2008      **The 2<sup>nd</sup> Prize**, Design Competition of a Creative Park for Children, Seoul Metropolitan Government
- 2004      **Runner-up Prize**, The 2<sup>nd</sup> 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

## **SKILLS AND INTERESTS**

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### **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

### **PROFESSIONAL AFFILIATIONS**

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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