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EDUCATION

Doctor of Philosophy The University of Pennsylvania, Philadelphia PennDesign, City and Regional Planning Department Dissertation Title: "Hidden Cities: Reinventing the Non-space Between Street and Subway" Committee: Stefan Al (Chair); Jonathan Barnett (Co-Chair); William W. Braham	2014 - 2018
Master of Arts The University of Pennsylvania, Philadelphia PennDesign, City and Regional Planning Department	2014 - 2018
Master of Urban Design (with distinction) The University of Michigan, Ann Arbor A. Alfred Taubman College of Architecture + Urban Planning	2005 - 2007
Master of Urban + Regional Planning The University of Michigan, Ann Arbor A. Alfred Taubman College of Architecture + Urban Planning	2005 - 2007
Bachelor of Engineering in Architecture Chung-Ang University, Seoul Department of Architecture, College of Engineering	1998 - 2005

ACADEMIC EXPERIENCE

Associate Professor Yonsei University Department of Urban Engineering and Planning, College of Engineering courses taught: Fundamentals of Urban Design, Neighborhood Planning and Design	2023 - Present
Assistant Professor University of Ulsan Department of Architecture, School of Architecture courses taught: Architecture Studio 3&4, Fundamentals of Urban Design, Introduction to City, Urban Planning, Ecological Design (Graduate)	2018 - 2023
Lecturer Chung Ang University Urban Design Seminar (Graduate Level)	2018 Fall
Post-Doctoral Research Associate The University of Pennsylvania Center for Building and Environmental Design, PI: Dr. William Braham	2018
Research Associate The University of Pennsylvania Center for Building and Environmental Design, PI: Dr. William Braham	2016 - 2018
Research Assistant The University of Pennsylvania 1. Resilient Urban Design, PI: Dr. Stefan Al 2. Smart City Agent Based Modelling, PIs: Dr. William Braham; Dr. Barry Silverman	2016 Fall 2016 - 2017
Teaching Assistant The University of Pennsylvania 1. CPLN 760 - Public Realm Studio, Instructor: Dr. Stefan Al 2. CPLN 504 - Site Planning, Instructor: Dr. Stefan Al	2016 Spring 2015 Fall

PROFESSIONAL EXPERIENCE

Associate Skidmore Owings & Merrill LLP, Urban Design & Planning Studio, New York	2012 - 2014
Associate Skidmore Owings & Merrill LLP, Urban Design Studio, Chicago	2010 - 2012
Senior Urban Designer Skidmore Owings & Merrill LLP, Urban Design Studio, Chicago	2007 - 2010
Assistant Project Manager Hyundai Engineering & Construction Corporation, Seoul, Korea	2005

AFFILIATIONS

한국도시계획학회 회원 Member, Urban Design Institute of Korea 이사 (2022.5 - 2024.4), 씨티넷위원장 (2022.5 - 2023.4), 온라인콘텐츠연구위원장 (2022.5 - 2023.4), 편집위원 (2022.5 - 2024.4), 부울경지회 학술위원 (2023.4.-2024.3)	2022
국토도시계획학회 회원 Member, Korea Planning Association	2018
대한건축학회 회원 Member, Architectural Institute of Korea	2018
한국주거학회 회원 Member, The Korean Housing Association	2022
Member, the International Society for the Advancement of Emergency Research	2017
Member, American Institute of Certified Planners (AICP) The American Planning Association (Certified Planner Number: 025233)	2011
Member, the American Planning Association	2007

PUBLIC SERVICE

경기주택도시공사 안양 인덕원 콤팩트시티 조성 및 특화방안 수립 자문위원	2023.8 - 2023.12
부울경초광역경제동맹 자문위원	2023.8 - 2025.7
부산광역시 건축위원회 위원	2023.6 - 2024.5
경기주택도시공사 광교중심광장 조성 국제설계공모 운영위원	2023.2 - 2023.7
울산광역시 도시건축공동위원회 위원	2023.1 - 2025.12
울산광역시 건축위원회 위원	2021.1 - 2025.12
울산광역시 도시재생위원회 위원	2021.6 - 2025.5
울산광역시 정책자문위원	2022.11 - 2024.11
김해시 도시계획위원회 위원	2022.11 - 2024.11
울산광역시 남구 도시건축공동위원회 위원	2022.9 - 2023.10
울산광역시 건축가협회 건축대전 운영위원장	2022.6 - 2022.10
울산광역시 중구 경관위원회 위원	2022.1 - 2023.12
울산광역시 건축상 심사위원회 위원	2021.9 - 2021.12
울산광역시 남구 도시계획위원회 위원	2021.10 - 2023.10

PUBLICATIONS**Book Manuscript**

1. **Lee, Jae Min.** (in-progress). “*Hidden Cities: Reinventing the Non-space Between Street and Subway*”

Book Chapter

1. **이재민**(2022). 울산 태화강, 공해도시의 변신. In 한광야 (Ed.) “한국의 도시재생.” 서울, 도시설계학회

Peer-Reviewed Journal Articles

1. **Lee, Jae Min** (2022). “[Urban design in underground public spaces: Lessons from Moscow Metro.](#)” *Journal of Asian Architecture and Building Engineering*. (A&HCI)
2. **Lee, Jae Min** (2022). “[Smart City in Urban Design.](#)” *International Journal of Sustainable Building Technology and Urban Development*, vol. 12, No.4. (Scopus)
3. **Lee, Jae Min.** (2021). “[Understanding volume and correlations of automated walk count: Predictors for necessary, optional, and social activities in Dilworth Park.](#)” *Environment and Planning B: Urban Analytics and City Science*,. (SSCI)
4. **Lee, Jae Min & William W. Braham.** (2020). “[Measuring Public Service Quality: Revisiting Residential Location Choice Using E\[m\]ergy Analysis of Local Governments in Philadelphia](#)”, *Cities*, 102, 102753 (SSCI) <https://doi.org/10.1016/j.cities.2020.102753>
5. **Lee, Jae Min .** (2020). “[Exploring walking behavior in the streets of New York city using hourly pedestrian count data](#)”, *Sustainability* 2020, no. 12(19): 7863. (SSCI) <https://doi.org/10.3390/su12197863>
6. William W. Braham & **Jae Min Lee.** (2020). “[Metabolism of Urban Location: Travel time and the morphology of cities.](#)”. *Frontiers in Sustainable Cities*, 2, 4. , <https://doi.org/10.3389/frsc.2020.00004>
7. **Lee, Jae Min.**; Braham, William. (2019). “Right-Sizing Cities for Maximum Power: Urban Form Parameters for New York City and the Greater Philadelphia Region.” *Sustainability* 11, no. 8: 2352. (SSCI)
8. Braham, W. William; **Jae Min Lee**; Evan Oskierko-Jeznacki; Barry Silverman; Nasrin Khansari. (2019). “[Spatial concentration of urban assets in the Philadelphia region: An emergy synthesis](#)”, *Ecological Modelling*, 401, pp. 52 – 68. (SCI)
9. **Lee, Jae Min & William W. Braham.** (2017). “[Building emergy analysis of Manhattan: Density parameters for high-density and high-rise developments.](#)” *Ecological Modelling*, 363, pp. 157–171. (SCI)
10. Nasrin Khansari; John B. Waladt; Barry G. Silverman; William W. Braham; Karen Shen; **Jae Min Lee.** (2017) “[Simulating Population Behavior: Transportation Mode, Green Technology, and Climate Change.](#)” In: Lee D., Lin YR., Osgood N., Thomson R. (eds) *Lecture Notes in Computer Science*. vol 10354. Springer, Cham, pp 172-181
11. **Lee, Jae Min.** (under review). “[Entry-Exit-Correlatio: Exploring a New Performance Measurement of Public Space.](#)” *Journal of Urban Technology*,. (SSCI)
12. **Lee, Jae Min.** (under review). “[“Cosmopolitan Canopy” in Hong Kong’s Hidden City: Public Space in Underground Transportation Hub.](#)” *Tunnelling and Underground Space Technology*. (SCIE)
13. **Lee, Jae Min.** & Hye Kyung Lee (R&R). “[The effect of building height regulation: Gwang Hwa Mun vs. Teheran District of Seoul](#)” *International Journal of Urban Science*,. (SSCI)
14. **Lee, Jae Min**, Justin Lim, and Jayun Heo. (under review). “[Revisiting Building Height Restriction Policy in the Historic Center of Seoul: Exploring Performance-based Height Management Using View Shadow Simulation.](#)” *Journal of Urban Design*,. (SSCI)
15. Osei Prince Boatang & **Jae Min Lee.** (under review). “[Emergy Synthesis of Gahna, Acra](#)” *Cities*,. (SSCI)

Conference Papers

1. 조연주, **이재민**(2022). “부산 영도 봉래동 물양장의 바지선박을 이용한 수변공간 재구성 계획” 도시설계학회 추계학술대회, 대전 KAIST
2. 김연화, **이재민**(2022). “뗏목생태계: 해수면 상승과 해양 쓰레기 문제의 해결을 위한 이상도시 제안” 도시설계학회 추계학술대회, 대전 KAIST
3. **Lee, Jae Min.** (2019). “A New Public Space Performance Measure: Entry-Exit Correlation (EEC) and the Intensity of Social Activities in Dilworth Park, Philadelphia”, 2019 International Conference Asia-Pacific Planning Societies, Seoul
4. Braham, W. William; **Lee, Jae Min.** (2019). “Sustainability of New York City using Emergy Synthesis”, The 1st ACM International Workshop on Urban Building Energy Sensing, Controls, Big Data Analysis, and Visualization (UrbSys), November 13-14, 2019, Columbia University, New York City
5. **Lee, Jae Min**; Braham, W. William. (2018). “Sustainability of New York City using Emergy Synthesis”, ARCC-EAAE 2018 International Conference, Philadelphia, Pennsylvania
6. **Lee, Jae Min**; Braham, W. William; Evan Oskierko-Jeznacki; Barry Silverman; Nasrin Khansari. (2018). “Understanding Locational Quality of the Greater Philadelphia Region using E[m]ergy Analysis”, 10th Biennial Emergy Research Conference, Gainesville, Florida
7. Braham, W. William; Evan Oskierko-Jeznacki; **Jae Min Lee**; Barry Silverman; Nasrin Khansari. (2017). “E[m]ergy Model of the greater Philadelphia Region”, BIWAES 2017: Biennial International Workshop Advances in Energy Studies
8. Khansari, Nasrin; Silverman, Barry; Qing Du; **Jae Min Lee**; William Braham. (2017). [“An agent-based decision tool to explore urban climate & smart city possibilities.”](#) 2017 Annual IEEE International, Systems Conference (SysCon)

RESEARCH INTERESTS

Urban Design; Underground Public Space; Sustainable Urban Form; Non-space in Contemporary City;
 Socio-demographic “Sorting” in Public Spaces; City Scale Energy; Ecological Design; E[m]ergy Synthesis;
 Resiliency; Parametric Design; Microclimate Simulation; Agent-Based Modelling;

RESEARCH GRANTS, SCHOLARSHIPS & FELLOWSHIPS

University Research Fund Yonsei University, PI	2023 - 2026
서울연구원 위탁연구 (1,200,000) 미국 마이애미 주거밀도관리의 특징	2023
Seoul Biennale of Architecture and Urbanism 2023 (2,500,000) 서울도시건축비엔날레, 서울특별시. PI	2022
University Research Fund (7,000,000) University of Ulsan, PI	2023
서울연구원 위탁연구 (3,000,000) 고밀주거 활성화에 따른 도시계획적 관리방향	2022
생애첫연구 (75,000,000) National Research Foundation of Korea, PI	2019 - 2022
University Research Fund (5,000,000) University of Ulsan, PI	2021
University Research Fund (5,000,000) University of Ulsan, PI	2020
University Research Fund (6,000,000) University of Ulsan, PI	2019

PennDesign Doctoral Fellowship (\$213,000) PennDesign, the University of Pennsylvania	2014 - 2018
Emergy Synthesis 10 Travel Award (\$385) International Society for the Advancement of Emergy Research (ISAER)	2018
Rakham Student Research Grant (\$1,495) Rakham Graduate School, the University of Michigan, PI	2007
Nam's Scholarship (\$5,000) A. Alfred Taubman College of Architecture + Urban Planning, the University of Michigan	2006
Urban Design Fellowship (\$15,000) A. Alfred Taubman College of Architecture + Urban Planning, the University of Michigan	2006
Scholarship for the Graduate Studies Abroad Program (\$60,000) The Korea Research Foundation	2005 - 2007

PROFESSIONAL AWARDS | COMPETITION WINNER

Seoul Biennale of Architecture and Urbanism 2023 서울도시건축비엔날레 Exhibition Winner, 127meter: Performance Based Height Limit in Historic Seoul	2023
Seoul Biennale of Architecture and Urbanism 2023 서울도시건축비엔날레 Main Exhibition Winner, Performance Based Maximum Height Envelope Along the Han Riverfront	2023
도시설계학회 추계학술대회 우수논문상 부산 영도 봉래동 물양장의 바지선박을 이용한 수변공간 재구성 계획	2022
연구우수교수 울산대학교	2021
International Idea Competition for Urban Innovations of Unused Spaces in Seoul Fourth Prize, Yeon Hui Bridge	2019
International Idea Competition for Urban Innovations of Unused Spaces in Seoul Fourth Prize, Namsan Insectarium	2019
American Society of Landscape Architects • Merit Award SOM, Guiyang Nanming Riverfront Culture CBD Master Plan, China	2016
American Society of Landscape Architects • Merit Award SOM, Guiyang Nanming Riverfront Culture CBD Master Plan, China	2016
AIA – Hong Kong Chapter • Merit Award for Unbuilt Projects SOM, Guiyang Nanming Riverfront Culture CBD Master Plan, China	2015
Chicago Athenaeum • Green Good Design Award SOM, Nanjing Xiaguan Riverfront Master Plan, China	2014
World Architecture • News Urban Design Award SOM, Nanjing Xiaguan Riverfront Master Plan, China	2013
AIA - Chicago Chapter • Regional and Urban Design Award: Honor Award SOM, Guangzhou University Town - 4 Villages, China	2011
AIA - Chicago Chapter • Regional and Urban Design Award: Honor Award SOM, Chicago Riverwalk Main Branch Framework Plan, Chicago, Illinois	2009

PROFESSIONAL PROJECTS (SELECTED)

한강변 특화경관 수립 기준 연구 비엠도시건축, 서울특별시	2023
Seoul Harbor Master Plan Yeouido Seoul Harbor, Seoul	2023
Yeouido Park Vision Plan Visioning Yeouido Park, Seoul	2022
Gimpo Sawoo District Master Plan Redevelopment master plan of Sawoo Stadium, Gimpo	2020
Mokdong Stadium Strategic Plan Stadium Redevelopment Plan, Seoul	2020
Dangjin City Public Realm Master Plan Public Realm Master Plan, Dangjin	2019
Noraynagjin Vision Plan Redevelopment plan on Noryangjin Station, Seoul	2019
Farming Factory Farming Museum next to Seoul Botanical Garden, Seoul	2019
WTCS Public Realm Strategic Plan World Trade Center Seoul public realm plan to revitalize COEX and adjacent area, Seoul	2018
Mentougo Master Plan Environment friendly master plan conforming to mountainous site, Beijing, China	2014
Guiyang Nanming Riverfront Culture CBD Master Plan Central Business District redevelopment plan, Guiyang, China	2013
Al Farabi Corridor District Master Plan Transit corridor development along new central business district, Almaty, Kazakhstan	2013
Busan North Port Hutchison Terminal Redevelopment Plan Transforming industrial harbor to residential mixed use district, Busan, South Korea	2012
Nanjing Xiaguan Riverfront Master Plan Competition Winner, 2km Yangtze Riverfront development in city of Nanjing, China	2011
Waterloo Station Strategic Plan Air-right development over existing Waterloo Station, London, UK	2011
Framing A Modern Masterpiece Competition Jefferson Memorial Park redevelopment plan, St. Louis, MO, USA	2010
Xiaguwei University Island Four Village Master Plan 4 villages in university town in Xiaguwei Island, Guangzhou, China	2009
Jumeirah Garden Master Plan District Masterplan of 6 to 12 urban blocks mixed use development, Dubai, UAE	2008
Chicago Riverwalk Main Branch Framework Plan Transformation of Chicago Riverwalk for people friendly promenade, Chicago, USA	2008

INVITED LECTURES, PRESENTATIONS, & STUDIO JURY

Art and City: A Case Study of Busan's Totatoga (TTTG) Invited Keynote Speaker, The Petaling Jaya International Art Conference 2023	2023.09
History of Waterfront: 도심수변의 역사와 미래 발제자, 부산수변워크숍	2023.04
Housing in the City Center : 울산 도심주거 건축현황과 대안 발제자, 한국주거학회 추계학술대회 세미나	2022.11
미래도시에서의 도시설계 발제자, 한국도시설계학회 추계학술대회 미래도시세미나	2022.10
도시의 높이: 울산광역시 상업지역 난개발에 대한 고민 발제자, 한국건축가협회 울산광역시건축가회 세미나	2022.08
제2차 울산 도시재생 정책포럼 발제자, 울산광역시, 울산도시재생지원센터	2020.11
제1차 울산 도시재생 정책포럼 토론자, 울산광역시, 울산도시재생지원센터	2020.07
Rethinking Number is Urban Design Research Invited Lecture, UNIST Dept of Environmental Planning	2019.10
A New Public Space Performance Measure: Entry-Exit Correlation (EEC) and the Intensity of Social Activities in Dilworth Park, Philadelphia Presenter, 2019 International Conference Asia-Pacific Planning Societies	2019.08
Rethinking Number is Urban Design Research Invited Lecture, KAIST Dept of Civil Engineering	2019.03
Examining the sustainability of high-density and high-rise developments in New York City Presenter, 2018 ARCC-EAAK International Conference Architectural Research for a Global Community	2018.05
Hidden Cities: Reinventing the Non-Space Between Street and Subway Presenter, PennIUR Urban Symposium, the University of Pennsylvania, Philadelphia	2018.05
American Infrastructure Investment Studio - Final Review Invited Jury, the University of Pennsylvania, Instructors: Marilyn Taylor, Robert Yaro	2018.05
Public Realm Studio - Final Review Jury, the University of Pennsylvania, Instructor: Stefan Al	2018.05
Hidden Cities: Reinventing the Non-Space Between Street and Subway Presenter, PhD Colloquium, PennDesign, the University of Pennsylvania, Philadelphia	2018.04
Transportation vs. Public Service: Understanding Location Quality of the Greater Philadelphia Presenter, 10th Biennial Emergy Research Conference, Gainesville, Florida	2018.01
Urban Design Practice in Developing Countries Invited Lecture, BM Architecture and Urbanism, Korea	2017.07
South Florida Public Realm Studio - Mid Review Jury, the University of Pennsylvania, Instructor: Stefan Al	2017.03
E[m]ergy Synthesis of New York City Blocks Co-presenter: Dr. William Braham, the International Society for Ecological Modelling, Baltimore	2016.05
Goose Island Vision Studio, Chicago Jury, the University of Pennsylvania, Instructor: Christopher Marcinkoski	2015.04
Urban Ecology, Philadelphia Jury, the University of Pennsylvania, Instructor: Nicholas Pevsner	2014.11

Producing Region Studio, Northeastern United States

2014.09

Jury, the University of Pennsylvania, Instructor: Ellen Neises

Edgewater Hospital Design Charrette, Chicago

2010.08

Design Leader, Openlands + Skidmore, Owings, and Merrill LLP

5D Detroit Design Workshop

2006.10

Team Member, the University of Michigan, Ann Arbor