

CURRICULUM VITAE

University of Idaho

NAME: Kanghyun Lee

DATE: September 2023

RANK OR TITLE: Assistant Professor

DEPARTMENT: Department of Design and Environments Landscape Architecture Program

OFFICE LOCATION AND CAMPUS ZIP:

Art and Architecture, Room 108
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DATE OF FIRST EMPLOYMENT AT UI: August 2023

DATE OF TENURE: Untenured (tenure track)

DATE OF PRESENT RANK OR TITLE: August 2023

EDUCATION BEYOND HIGH SCHOOL:

Degrees

PhD, Urban and Regional Science

Department of Landscape Architecture and Urban Planning, Texas A&M University, College Station, TX, 2021

MUP, Master of Urban Planning

Department of Landscape Architecture and Urban Planning, Texas A&M University, College Station, TX, 2016

MLA, Master of Landscape Architecture

Department of Landscape Architecture and Rural System Engineering, Seoul National University, South Korea, 2013

BLA, Bachelor of Landscape Architecture

Department of Landscape Architecture Kangwon National University, South Korea, 2011

Certificates and Licenses:

Landscape Architecture Engineer License (1st Class / License No. 10201110150Y), Korean Construction Engineer Association (KOCEA), Republic of Korea

EXPERIENCE

Teaching

Assistant Professor, Landscape Architecture Program, College of Art and Architecture, University of Idaho, Moscow ID, from 2023

Visiting Assistant Professor, Department of Landscape Architecture, College of Architecture, University of Oklahoma, Norman, OK, 2021-2023

Instructor, Department of Landscape Architecture and Urban Planning, Texas A&M University, College Station, TX, 2017-2020

Academic Administrative Appointments

Faculty Fellow, Microclimatic Design and Research Group, Texas A&M University, College Station, TX

Non-Academic Employment including Armed Forces

Senior Research Engineer, Daejeon/Sejong Research Institute, Daejeon, South Korea, 2022 summer

Assistant Manager, Korea Landscape Welfare Institute, Seoul, South Korea, 2013-2014

Assistant Manager, Korea Green Infrastructure Association, Incorporated Association, South Korea, 2011-2012

TEACHING ACCOMPLISHMENTS

Courses Taught:

University of Idaho, College of Art and Architecture, Landscape Architecture Program

Fall 2023 - Present

LARC 210 Landscape Architecture Representation & Media 2, 3 credits

LARC 510 Advanced Design Representation and Communication, 3 credits

LARC 558, Landscape Architecture Graduate Studio 3, 6 credits

University of Oklahoma, College of Architecture, Division of Landscape Architecture

Fall 2021 - 2022

LA 5343 LA Technology: Site Issues, 3 credits

LA 5103 Introduction of Landscape Architecture, 3 credits

LA 5535 Intermediate Graduate Studio III, 5 credits

LA 6643 Urban Design Theory, 3 credits

Spring 2022 - 2023

LA 5613 LA Computer Applications, 3 credits

LA 5943 History & Theory of Landscape Architecture, 3 credits

Texas A&M University, College of Architecture, Department of Landscape Architecture & Urban Planning

Spring 2018 - 2020

PLAN 667 Site Planning: Design Studio, 3 credits

Fall 2017-2020 (TA)

PLAN 610 Structure and Function of Urban Settlements, 3 credits

LAND 210 Microclimatic Urban Design, 3 credits

LAND 645 Practice Diversity, 3 credits

Students Advised:

University of Oklahoma, Graduate Student Major Professor

Xorse Dzansi, MLA 2022. Ground Surface Materials and Micro climatic Designs (committee member)

Michaela Walkup, MLA 2022. Improving Food Security via Urban Agriculture (committee member)

Emma Mangum, MLA 2022. OU Campus Stormwater Management (committee member)

Invited Lectures

Microclimatic Urban Design, LA 5426 Microclimatic Urban Design, Division of Landscape Architecture, University of Oklahoma, Spring 2023

Microclimatic Urban Design, LAND 210, Department of Landscape Architecture and Urban Planning, Texas A&M University, Fall 2019

Built Environment and Human Thermal Comfort, LAND 645, Department of Landscape Architecture and Urban Planning, Texas A&M University, Fall 2018

Urban Landscape and Human Health, LAND 301, Department of Landscape Architecture and Urban Planning, Texas A&M University, Fall 2017

SCHOLARSHIP ACCOMPLISHMENTS

Publications, Exhibitions, Performances, Recitals:

Book Chapter

Lee, K. & Brown (2022) Earth and its Atmosphere: 2nd Edition (Book Chapter: Estimating Terrestrial Radiation for Human Thermal Comfort), Vide Leaf

Peer Reviewed/Evaluated: (i.e. journals, articles, proceedings, abstracts, etc.)

Peer Reviewed Journals

- Lee, K. & Brown, R. (2022) Effects of Urban Landscape and Sociodemographic Characteristics on Heat-related Health using Emergency Medical Service Incidents, *International Journal of Environmental Research and Public Health*, 19(3), 1287.
- Lee, K. & Brown, R. (2021) Estimating Terrestrial Radiation for Human Thermal Comfort in Outdoor Urban Spaces, *Atmosphere*, 12 (12), 1701.
- Lenzholzer, S., Carsjens, G. J., Brown, R. D., Tavares, S., Vanos, J., Kim, Y., & Lee, K. (2020). Awareness of urban climate adaptation strategies—an international overview. *Urban Climate*, 34, 100705.
- Lenzholzer, S., Carsjens, G. J., Brown, R. D., Tavares, S., Vanos, J., Kim, Y., & Lee, K. (2020). Urban climate awareness and urgency to adapt: An international overview. *Urban Climate*, 33, 100667.

Peer Reviewed Journals (In preparation)

- Lee, K. & Brown, R. Urban Landscape Characteristics and Heat-related Health: A Systematic Review, Target Journal: Sustainable Cities and Society (Final revision in progress).
- Lee, K. The Relationship between Land Use Change and Disasters Vulnerability: Focused on Green Infrastructure, Target Journal: Sustainability (Final revision in progress).
- Lee, K., Lee, C., and Van Zandt, S. Built Environment and Disaster Resilience: Focused on Urban Sprawl, Target Journal: Science of the Total Environment (Final revision in progress).
- Lee, K. & Brown, R. The impact of Urban Microclimatic on Human Health, Target Journal: Sustainable Cities and Society (Final revision in progress).
- Lee, S., Lee, K., Li, D., & Brown, R. (2022) Urban tree canopy and heat-related illness rate during heat days among Older Adults: Does homeownership matter? Target Journal: Landscape and Urban Planning (Working on Data Analysis).

Peer-Reviewed Conference Presentations, Abstracts, Posters, and Volunteer

- Lee, S., Lee, K., Li, D., & Brown, R. (2022) Urban tree canopy and heat-related illness rate during heat days among Older Adults: Does homeownership matter? The Council of Educators in Landscape Architecture Conference, Santa Ana Pueblo, New Mexico.
- Lee, K., & Brown, R. (2022) Estimating Terrestrial Radiation for Human Thermal Comfort in Outdoor Urban Space. The Council of Educators in Landscape Architecture Conference, Santa Ana Pueblo, New Mexico.
- Lee, K., & Brown, R. (2020) The relationship between Orientation of House and Residential Property Value. The Council of Educators in Landscape Architecture Conference, Toronto, Ontario.
- Lee, K., & Brown, R. (2019) Impact of Urban Landscape and Sociodemographic Characteristics on Heat-Related Human Health. The Association of Collegiate Schools of Planning Conference, Greenville, SC.
- Lee, K., & Brown, R. (2018) Effect of Urban Microclimate on Human Health, in Cincinnati, Ohio. The Association of Collegiate Schools of Planning Conference, Buffalo, NY.
- Lee, K., & Brown, R. (2018) The Relationship between Microclimatic Urban Design and Human Health: A Systematic Review. The Council of Educators in Landscape Architecture Conference, Charlotte, NC.
- Lee, K. (2015) Disaster Vulnerability Assessment by Land use change, American Planning Association Conference, Galveston, TX
- Lee, K., Lee, K., Kim, M. (2010) A study on Determining the National Ecological & Cultural trail plan considering Potential zone for development, The Korean Association of Geographic Information Studies, 2009 Spring Conference, presentation file: 64-68.
- Lee, K., Lee, K., Lee, J. (2009) Estimating Total Green-space by Considering Carbon Cycle System in Urban Area, The Korean Association of Geographic Information Studies, 2009 Autumn Conference, presentation file: 105-106.
- Lee, K., Lee, J., Lee, K., Son, S. (2009) Development of the Indicator Sets for Evaluating Green-Network of Urban and Regional Areas, The Korean Association of Geographic Information Studies, 2009 Spring Conference, presentation file: 98-99.

Grants Projects

Researcher, ENDEAVR: An Interdisciplinary Project-Based Learning Experience in Smart and Connected

- Communities / Sponsor: W.M. Keck Foundation, \$300,000 (2018-2023) / Role: Created basic plan, collected objective GIS data, and created design recruitments.
- Researcher, Establishment of the 6th Regional Forest Plan Project (2018 ~ 2037) / Sponsor: Busan Metropolitan City, Korea / Role: Literature Review and data collection
- Research Assistant, Urban Landscape Management Planning in Ceongsong-gun / Sponsor: Local Government of Chungsong-gun, Korea, \$92,293, 2011-2012 / Role: Basic plan of landscape management, survey coding, and field audit
- Research Assistant, A Study on the Creating Elements and Model of Place Attachment / Sponsor: The National Research Foundation, Korea, \$92,293, 2010-2012 / Role: Making model of measuring sense of place, basic plan of landscape, field survey, survey coding, field audit, and statistical analyses
- Research Assistant, Green way guidelines for Urban Green-Network Project / Sponsor: Ministry of Environment, Korea, \$92,293, 2010-2011 / Role: Document search, field survey, and computer graphic work
- Research Assistant, National Land Application Plan for Ecological Sustainability / Sponsor: Ministry of Environment, Korea, \$46,146, 2009-2010 / Role: GIS Analysis, computer graphic works, and field survey
- Research Assistant, Urban Forest Development and Management Plan of Chun-cheon City / Sponsor: Local Government of Chuncheon-si, Korea, \$18,458, 2009-2010 / Role: Graphic works on basic plan about city and document search work
- Research Assistant, Urban Forest Development and Management Plan of Yeong-wol City / Sponsor: Local Government of Youngwol-gun, Korea, \$45,223, 2009-2010 / Role: Graphic work on basic plan about city and document search work
- Research Assistant, Construction of National Ecological Network in TaeBaek and Kangwon Region / Sponsor: Ministry of Environment, Korea, \$73,834, 2009-2010 / Role: GIS Analysis, supporting field survey, and drawing up of report.
- Research Assistant, The Implementation and Improvement of the Natural Environment Restoration Industry / Sponsor: Ministry of Environment, Korea, \$27,688, 2008-2009 / Role: GIS analysis, computer graphic work (Illustrator), and making a report.
- Research Assistant, A Study on the Construction of Forestscape-Network Project / Sponsor: Korea Forest Service, Korea, \$76,603, 2008-2009 / Role: Computer graphic work (Cad, Illustrator) and supporting field survey.
- Research Assistant, The Indicators for Environmental Performance Evaluation and Development of Environmental Capacity Critical / Sponsor: Ministry of Environment, Korea, \$36,917, 2008-2009 / Role: Analysis of documents (Excel, Cad work) and GIS analysis
- Research Assistant, A Study on guidelines for Development of Eco-culture Trails / Sponsor: Ministry of Environment, Korea, \$92,293, 2007-2008 / Role: Computer graphic work, literature review, and graphic work

Honors and Awards:

- Graduate Assistantship, Texas A&M University. 2016-2021
- Urban and Regional Science Doctoral Departmental Microclimatic Design Research Group Scholarship, Texas A&M University (\$1,000), 2018
- Academic Superiority Scholarship, Graduate Student, the Sang-Rok Foundation, Seoul National University (\$2,000), 2013
- Academic Superiority Scholarship, Senior, Kangwon National University. (Total \$1,500), 2009
- Academic Superiority Scholarship, Junior, Kangwon National University. (Total \$2,000), 2008
- Academic Superiority Scholarship, Sophomore, Kangwon National University. (Total \$2,000), 2005
- Academic Superiority Scholarship, Freshman, Kangwon National University. (Total \$1,500), 2004