

Bumsoo Lee

Associate Professor, Director of MUP Program, Department of Urban and Regional Planning
University of Illinois at Urbana-Champaign, M206 Temple Buell Hall, MC-619
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EDUCATION

Ph.D. in Planning	2006
School of Policy, Planning, and Development (SPPD), University of Southern California (USC)	
Dissertation: <i>Urban Spatial Structure, Commuting, and Growth in U.S. Metropolitan Areas</i>	
Advisor: Dr. Peter Gordon	
Master of City Planning	1996
Graduate School of Environmental Studies, Seoul National University, Seoul, Korea	
Thesis: <i>Transition of balanced regional development discourse</i>	
Bachelor of Science	1994
Department of City Planning, Hanyang University, Seoul, Korea	

ACADEMIC AND RESEARCH APPOINTMENTS

Associate Professor	2014-present
Department of Urban and Regional Planning, University of Illinois at Urbana-Champaign	
Assistant Professor	2008-2014
Department of Urban and Regional Planning, University of Illinois at Urbana-Champaign	
Lecturer	2008
School of Policy, Planning, and Development (SPPD), University of Southern California (USC)	
Postdoctoral Research Associate	2006-2008
Center for Risk and Economic Analysis of Terrorism Events (CREATE), USC	
Researcher	1996-1999
Korea Research Institute for Human Settlements (KRIHS), Anyang, Korea	

RESEARCH INTERESTS

Urban spatial structure: measures of urban spatial structure, the relationships between spatial structure and various urban indicators, the impacts of demographic changes on spatial development patterns
Sustainable land use and transportation planning: the influence of urban form on travel behavior and environmental impacts, GHG emissions projection, urban form and health related behaviors and obesity
Economic impact analysis of extreme events and resilience

COURSES TAUGHT

Urban Transportation and Land Use Policy, Urban and Regional Economics, Economics for Planners
Analytical Planning Method, Planning Analysis, Urban Informatics

HONORS AND AWARDS

Tschangho John Kim Professorship in Urban and Regional System	2019-2022
Honorable Mention, Regional Science Association International (RSAI) Dissertation Competition	2007
John Dyckman Award for Best Dissertation in Planning, SPPD, USC	2007

RESEARCH GRANTS

- Lee, Bumsoo (PI) and Lindsay Braun. 2024-2027. “Identifying and Minimizing Illinois’ Transit Deserts and Gray Areas”. Illinois Center for Transportation, Illinois Department of Transportation IDOT R27-272, \$299,771.
- Braun, Lindsay (PI), Jesus Barajas, and Bumsoo Lee (Co-PI). 2020-2021. “Transit Ridership Trends in Downstate Illinois”. Illinois Department of Transportation, \$312,250.
- Lee, Bumsoo (PI). 2019. “University of Illinois Transit Ridership Study”. Champaign-Urbana Mass Transit District (MTD) and Provost Office, UIUC, \$21,266.
- Braun, Lindsay (PI), Jesus Barajas, and Bumsoo Lee (Co-PI). 2018-2020. “Construction of Pedestrian Infrastructure Along Transit Corridors”. Illinois Center for Transportation, Illinois Department of Transportation IDOT R27-200, \$248,915.
- Lee, Bumsoo (PI). 2017-2018. “Relationship between Urban Population Densities and the Carbon Efficiency of Public Transit and Private Vehicles”. U.S. National Science Foundation (NSF) BCS 16-60412, \$66,999.
- Lee, Bumsoo (PI). 2017. “New Job Accessibility Measure and Its Impacts on Employment Outcomes”. Campus Research Board, UIUC, \$6,762.
- Lee, Bumsoo (PI). 2013. “The impacts of urban form on household CO₂ emissions in US metropolitan areas”. Campus Research Board, UIUC, \$9,250.
- Bond, Tami (PI), Yanfeng Ouyang, Chris Barkan, and Bumsoo Lee (Co-PI). 2010-2012. “Global-to-Urban Models for Minimizing Air Quality and Climate Impacts of Freight Choice.” U.S. Environmental Protection Agency (EPA), EPA-G2008-STAR-J1, \$599,560.
- Lee, Bumsoo (PI). 2009. “Spread and Backwash Effects for Rural Communities in the U.S.” FAA Creative Research Award, University of Illinois, \$7,950.
- Lee, Bumsoo (PI). 2009. “The Effects of Neighborhood Environment on Obesity.” Korea Research Institute of Human Settlements, \$10,000.
- Winterfeldt, Detlof von (PI), Garrett Asay, and Bumsoo Lee (Co-PI). 2007-2008. “Behavioral Changes in Transportation Mode Choice after Terrorist Attacks in London, Madrid and Tokyo.” METRANS National Center for Metropolitan Transportation Research Grant, USC, \$90,000.
- Gordon, Peter (PI) and Bumsoo Lee. 2003 & 2004. Lusk Center Research Grants, USC.

PEER-REVIEWED JOURNAL PUBLICATION

- Sohoni, Srirang and Bumsoo Lee. 2025. Parking the minimum parking requirement: Evidence from Nine U.S. cities. *Journal of Planning Education and Research*. Online First.
- Lee, Bumsoo, Lindsay M. Braun, Jesus M. Barajas, Amanda Merck, and Kyuhyun Lee. 2025. Who rides the bus in small cities in the U.S. Midwest? *Journal of Public Transportation* 27: 1-11.
- Lee, Bumsoo and Sungwon Lee. 2025. Toward greener transit: Carbon-efficient density thresholds for public transit vs. private vehicles. *Transportation Research Part D: Transport and Environment* 140: 1-15.
- Wang, Yiyuan, Bumsoo Lee, and Andrew Greenlee. 2024. The role of smart growth in residential location choice: Heterogeneity of location preferences in the Chicago region. *Journal of Planning Education and Research* 44 (2): 766-783.
- Sohoni, Srirang and Bumsoo Lee. 2024. After the minimum parking requirement: Parking reform in a small

- university city. *Journal of the American Planning Association* 91 (3): 471-485.
- Kim, Junghwan and Bumsoo Lee. 2023. Campus commute mode choice in a college town: An application of the integrated choice and latent variable (ICLV) model. *Travel Behaviour and Society* 30: 249-261.
- Braun, L. M., Barajas, J. M., Lee, B., & Martin, R. 2022. Walking the last mile: Barriers and solutions to suburban transit access. *Transportation Research Record*.
- Lee, Y. and Lee, B. 2022. What's eating public transit in the United States? Reasons for declining transit ridership in the 2010s. *Transportation Research Part A: Policy and Practice*. 157: 126-143.
- Lee, Sungwon and Bumsoo Lee. 2020. Comparing the impacts of local land use and urban spatial structure on household VMT and GHG emissions. *Journal of Transport Geography* 84: 1-14.
- Lee, Yongsung, Bumsoo Lee, and M. Tanvir Hossain Shubho. 2019. Urban revival by Millennials? Intra-urban net migration patterns of young adults, 1980–2010. *Journal of Regional Science* 59 (3): 538-566.
- Kim, Junghwan and Bumsoo Lee. 2019. More than travel time: New accessibility index capturing the connectivity of transit services. *Journal of Transport Geography* 78: 8-18.
- Liu, L., T. Hwang, S. Lee, Y. Ouyang, B. Lee, S. J. Smith, C. Tessum, J. Marshall, F. Yan, and K. Daenzer. 2019. Health and climate impacts of future United States land freight modelled with global-to-urban models. *Nature Sustainability* 2 (2): 105-112.
- Baker, Dwayne M. and Bumsoo Lee. 2019. How Does Light Rail Transit (LRT) Impact Gentrification? Evidence from Fourteen US Urbanized Areas. *Journal of Planning Education and Research* 39 (1): 35-49.
- Zhong, Laitian and Bumsoo Lee. 2017. Carless or car later? Declining car ownership of Millennial households in the Puget Sound Region. *Transportation Research Record: Journal of the Transportation Research Board*, No. 2664: 69-78.
- Liu, Liang, Taesung Hwang, Sungwon Lee, Yanfeng Ouyang, Bumsoo Lee, Steven J Smith, Fang Yan, Kathryn Daenzer, Tami C Bond. 2015. Emission projections for long-haul freight trucks and rail in the United States through 2050. *Environmental Science & Technology* 49(19): 11569-11576.
- Lee, Sungwon and Bumsoo Lee. 2014. The influence of urban form on GHG emissions in the U.S. household sector. *Energy Policy* 68: 534-549.
- Lee, Bumsoo and Yongsung Lee. 2013. Complementary pricing and land use policies: Does it lead to higher transit use? *Journal of the American Planning Association*. 79(4): 314-328.
- Ganning, Joanna, Katherine Baylis, and Bumsoo Lee. 2013. Spread and backwash effects for non-metropolitan communities in the U.S.,” *Journal of Regional Science* 53(3): 464-480.
- Oladosu, Gbadebo, Adam Rose, and Bumsoo Lee. 2013. “Economic impacts of potential foot and mouth disease agro-terrorism in the United States: A computable general equilibrium analysis,” *Journal of Bioterrorism and Biodefense*. S12: 1-9.
- Lee, Bumsoo, Jiyoung Park, Peter Gordon, James E. Moore, II, and Harry W. Richardson. 2012. Estimating the State-by-State Economic Impacts of a Foot-and-Mouth (FMD) Attack. *International Regional Science Review* 35 (1): 26-47.
- Lee, Bumsoo, Peter Gordon, James E. Moore, II, and Harry W. Richardson. 2011. The attributes of residence/workplace areas and transit commuting. *Journal of Transport and Land Use* 4 (3): 43-63.
- Lee, Bumsoo and Peter Gordon. 2011. “Urban structure: Its role in urban growth, net new business formation and industrial churn,” *Région et Développement* 33: 20 pages.

- Prager, Fynnwin, Garrett Ryan Beeler Asay, Bumsoo Lee, and Detlof von Winterfeldt. 2011. Exploring reductions in London Underground passenger journeys following the July 2005 bombings. *Risk Analysis* 31 (5): 773-86.
- Dixon, Peter, Bumsoo Lee, Todd Muehlenbeck, Maureen T. Rimmer, Adam Rose, and George Verikios. 2010. "Effects on the U.S. of an H1N1 epidemic: Analysis with a quarterly CGE model," *Journal of Homeland Security and Emergency Management* 7(1), Article 75: 17 pages.
- Lee, Bumsoo, Peter Gordon, James E. Moore, II, and Harry W. Richardson. 2009. Commuting Trends in U.S. Cities in the 1990s. *Journal of Planning Education and Research* 29(1): 78-89.
- Rose, Adam Z. Gbadebo Oladosu, Bumsoo Lee, and Garrett B. Asay. 2009. The economic impacts of the September 11 terrorist attacks: A computable general equilibrium analysis. *Peace Economics, Peace Science and Public Policy* 15(2), Article 4: 28 pages.
- Lee, Bumsoo, Peter Gordon, James E. Moore, II, and Harry W. Richardson. 2008. Simulating the economic impacts of a hypothetical bio-terrorist attack: A sports stadium case. *Journal of Homeland Security and Emergency Management* 5(1), Article 39: 19 pages.
- Lee, Bumsoo. 2007. Edge or edgeless cities? Urban spatial structure in U.S. metropolitan areas, 1980 to 2000. *Journal of Regional Science* 47(3): 479-515.

BOOK CHAPTERS

- Lee, Sungwon and Bumsoo Lee. 2019. The influence of urban form on GHG emissions in the US household sector. In Hamin, E., Y. Abunnasr, and R. Ryan eds. *Planning for Climate Change: A Reader in Green Infrastructure and Sustainable Design for Resilient Cities*. New York: Routledge Press. Reprint of Lee and Lee (2014) in *Energy Policy*.
- Gordon, Peter and Bumsoo Lee. 2015. "Chapter 6: Spatial structure and travel: Trends in commuting and non-commuting travels in US metropolitan areas," in Hickman, R., M. Givoni, D. Bonilla and D. Banister eds. *International Handbook on Transport and Development*. Cheltenham, UK: Edward Elgar.
- Lee, Bumsoo, Peter Gordon, Harry W. Richardson, Jiyoung Park, James E. Moore II, Qisheng Pan. 2014. "8. A foot-and-mouth epidemic," in Richardson, H. W., JiYoung Park, James E. Moore II, Qisheng Pan (eds.) *National Economic Impact Analysis of Terrorist Attacks and Natural Disasters*. Cheltenham, UK: Edward Elgar. pp 128-151. Invited reprint of Lee, et al. (2012).
- Lee Bumsoo, Peter Gordon, James E. Moore II, Harry W. Richardson. 2014. "6. A stadium attack," in Richardson, H. W., JiYoung Park, James E. Moore II, Qisheng Pan (eds.) *National Economic Impact Analysis of Terrorist Attacks and Natural Disasters*. Cheltenham, UK: Edward Elgar. pp 78-97. Invited reprint of Lee, et al. (2008).
- Gordon, Peter, Bumsoo Lee, James E. Moore II, Qisheng Pan, Jiyoung Park, and Harry W. Richardson. 2009. "Estimating the economic impacts of WMD attacks," in Maurer, Stephen M. and Christine Hartmann-Siantar (eds.) *WMD Terrorism: Science and Policy Choices*. Cambridge, MA: MIT Press. pp 389-408.
- Lee, Bumsoo and Peter Gordon. 2008. "The U.S. context for highway congestion pricing," in Richardson, Harry W. and C.-H. Christine Bae (eds.) *Road Congestion Pricing in Europe: Implications for the United States*. Cheltenham, UK: Edward Elgar. pp 327-341.
- Richardson, Harry W., Larry S. Bourne, Peter Gordon, Christopher J. Henrie, David Plane, Jim Simmons, and Bumsoo Lee. 2006. "North America: A region of core peripheral extremes," in Geyer, H. S. (ed.) *Global Regionalization: Core-Peripheral Trends*. Cheltenham, UK: Edward Elgar. pp 41-84.
- Lee, Bumsoo. 1996. "Transition of balanced regional development discourse," in Korean Progressive Academic Council (ed.) *Conglomerates and the Media in Korea*, Seoul, Korea: Dangdae Publishing. pp 355-391. (in Korean).

PUBLICATIONS UNDER REVIEW

BOOK REVIEWS & OTHER PUBLICATIONS

- Lee, Bumsoo. 2010. "The management and Measurement of Infrastructure: Performance, Efficiency and Innovation," Charlie Karlsson, William P. Anderson, Börje Johansson, and Kiyoshi Kobayashi. Edward Elgar 2007, ISBN 978-1-84542-643-9. *Journal of Regional Science* 50(2): 665-667.
- Gordon, Peter and Bumsoo Lee. 2010. "Urban structure: Role in urban growth, net new business formation and industrial churn," USC Lusk Center for Real Estate Research Brief, Winter.
- Gordon, Peter, Bumsoo Lee, and Harry W. Richardson. 2004. "The commuting conundrum of the 1990s," USC Lusk Center for Real Estate Research Brief, Winter.

INVITED LECTURES AND PRESENTATIONS

- Lee, Bumsoo. "Gentrification and displacements in contemporary cities: the case of Chicago," Graduate School of Environmental Studies, Seoul National University, Seoul, Korea, October 20, 2023.
- Lee, Bumsoo. "Toward urban spatial structure for sustainable transportation", 2023 Brain Korea (BK) 21 International Conference—Sustainable Cities in the Era of Great Transformation, Seoul National University, Seoul, Korea, October 17, 2023.
- Lee, Bumsoo. "Parking reform in a small university city," Brain Korea (BK) 21 FOUR HY—GRIP Special Lecture Series, Graduate School of Urban Studies, Hanyang University, Seoul, Korea, June 5, 2023.
- Lee, Bumsoo. "Urban spatial structure and travel behavior", Brain Korea (BK) 21 FOUR HY—GRIP Special Lecture Series, Graduate School of Urban Studies, Hanyang University, Seoul, Korea, May 25, 2023.
- Lee, Bumsoo. "Geography of gentrification and displacement in the Chicago region", Brain Korea (BK) 21 FOUR HY—GRIP Special Lecture Series, Graduate School of Urban Studies, Hanyang University, Seoul, Korea, May 8, 2023.
- Lee, Bumsoo. "Campus commute mode choice in a college town: Integrated choice and latent variable (ICLV) model", Invited lecture to the Department of Urban Engineering, Hanyang University, Seoul, Korea, March 16, 2023.
- Lee, Bumsoo. "At what density does transit become greener than private vehicles?" Hanyang University, Seoul, Korea, June 28, 2019.
- Lee, Bumsoo. "Carbon-efficient thresholds of urban population density". Korea Research Institute for Human Settlements, Sejongsi, Korea. June 27, 2019.
- Lee, Bumsoo. "Will Millennials lead reurbanization? Evidence from the 20 largest urban areas in the U.S." Ulsan National Institute of Science and Technology, Ulsansi, Korea. July 5, 2017.
- Lee, Bumsoo. "Millennial urbanism". Korea Research Institute for Human Settlements, Sejongsi, Korea. July 10, 2017.
- Lee, Bumsoo. "Millennial urbanism". Hanyang University, Seoul, Korea, July 11, 2017.
- Lee, Bumsoo, "Complementarity between pricing and land use policy for sustainable transportation," Invited lecture to researchers and planners in Korea Research Institute for Human Settlements (KRIHS), Anyang, Korea, August, 2015.
- Lee, Bumsoo, "Complementary pricing and land use planning for sustainable transportation," Invited lecture to the faculty and students in School of Urban Science, Incheon National University, Incheon, Korea,

August, 2015.

- Lee, Bumsoo, participated in the What Works Collaborative roundtable discussion at the Brookings Institution, “Examining the physical landscape of the next American Economy: A research agenda”, Washington, D.C., November 2011.
- Lee, Bumsoo, “Urban spatial structure and agglomeration economies in consumption and production,” Invited lecture delivered to researchers in the Korea Transport Institute, Goyang, Korea, July 2011.
- Lee, Bumsoo, “Polycentric urban structure and agglomeration economies in US metropolitan areas,” Invited lecture delivered to the faculty and students in the Department of Urban Planning and Engineering, Seoul, Korea, July 2011.
- Lee, Bumsoo, “Urban growth and spatial structure,” Invited lecture delivered to researchers in Korea Research Institute for Human Settlements, Anyang, Korea, June 2008.
- Lee, Bumsoo and Peter Gordon, “Urban spatial structure and economic growth in US metropolitan areas,” Lusk Center for Real Estate Seminar, USC, September 2006.

CONFERENCE PRESENTATIONS

- Lee, Bumsoo, Andrew Greenlee, and Yongsung Lee, “Spatiotemporal analysis of gentrification and displacement risks in Chicago,” Association of Collegiate School of Planning Annual Conference, Seattle, Washington, November 2024.
- Khaleel, Sahar, Yongsung Lee, Srirang Sohoni, Andrew Greenlee, Bernadette Hanlon, and Bumsoo Lee, “Uncovering drivers of gentrification in new light rail transit cities,” Association of Collegiate School of Planning Annual Conference, Seattle, Washington, November 2024.
- Sohoni, Srirang and Bumsoo Lee. “Parking the minimum parking requirements: Evidence from nine US cities,” Association of Collegiate School of Planning Annual Conference, Seattle, Washington, November 2024.
- Sohoni, Srirang, and Bumsoo Lee, “After the minimum parking requirement: Parking reform in a small city,” Association of Collegiate School of Planning Annual Conference, Chicago, Illinois, November 2023.
- Braun, Lindsay M., Jesus M. Barajas, and Bumsoo Lee. “Walking the last mile: Barriers and solutions to suburban transit access,” Annual Meeting of the Transportation Research Board, virtual. Jan. 2022.
- Lee, Bumsoo, Yongsung Lee, and Andrew Greenlee, “Towards a fuller understanding of gentrification: Geography of gentrification in Chicago”, Association of Collegiate School of Planning Annual Conference, Toronto, Canada, November 2022.
- Hutchinson, E., Merck, A., Barajas, J., Lee, B., Braun, L., “Who gave up on the bus? Lapsed transit rider needs in mid-sized cities,” Association of Collegiate Schools of Planning (ACSP) Annual Conference, virtual. Nov, 2021.
- Merck, A., Hutchinson, E., Barajas, J., Lee, B., Braun, L. “Household attitudes and barriers regarding transit use in mid-sized cities”, Association of Collegiate Schools of Planning Annual Conference, virtual. Nov, 2021.
- Braun, Lindsay, Bumsoo Lee, and Jesus Barajas, “Bus stops and beyond: Connecting riders to transit service in the Chicago suburbs,” ADA National Network State of the Science Conference, Apr, 2021.
- Lee, Bumsoo and Yongsung Lee. “Transit ridership in America, 2002-2017,” Association of Collegiate School of Planning Annual Conference, Greenville, SC. Nov, 2019.
- Kim, Junghwan and Bumsoo Lee. “More than travel time: A new job accessibility index capturing the connectivity of transit services,” Transport Research Board Meeting, Washington, DC. Jan, 2019.
- Lee, Bumsoo, Yongsung Lee and Tanvir Hossain Shubho. Urban revival by Millennials? Intra-urban net

- migration patterns of young adults in top 20 urbanized areas, 1980-2010” Association of Collegiate School of Planning Annual Conference, Buffalo, NY. Oct, 2018.
- Liu, Ziqi and Bumsoo Lee. “The influence of metro lines on urban spatial structure and housing price: A case study of Shanghai”. The 12th International Association of China Planning Conference, Xi’an, China. Jun 30-Jul 1, 2018.
- Lee, Yongsung and Bumsoo Lee. “Census tract level net migration patterns of young adults in the largest 20 urbanized areas in the U.S., 1980-2010”. 2018 American Association of Geographers Conference, New Orleans, LA, April, 2018.
- Wang, Yiyuan Gavin and Bumsoo Lee. “Residential location choice of Millennials: Evidence from the Chicago Urbanized Area”. Toronto, Canada, April, 2018.
- Lee, Yongsung, Bumsoo Lee, and Md. Tanvir Hossain Shubho. “Intra-urban net migration patterns of young adults, 1980-2010”. Endogenous Amenities and Cities Symposium, Florida State University, Tallahassee, FL. April, 2018.
- Lee, Bumsoo and Yongsung Lee. “Are Millennials leading re-urbanization? Evidence from the top twenty urban areas in the U.S.,” Western Regional Science Association Annual Conference, Pasadena, CA. Feb. 2018.
- Lee, Bumsoo and Yongsung Lee. “The net migration patterns of older Millennials in the twenty largest urban areas, 2000-2010,” Association of Collegiate School of Planning Annual Conference, Denver, CO. Oct, 2017.
- Lee, Bumsoo. Sungwon Lee, and Shuake Wuzhati. “At what density does transit become greener than private vehicles? Carbon-efficient thresholds of urban population density,” Association of Collegiate School of Planning Annual Conference, Houston, TX. Oct, 2015.
- Lee, Sungwon and Bumsoo Lee. “From local to regional focus: Sustainable urban form for VMT and GHG emissions reduction,” Western Regional Science Association Conference, Tucson, AZ. Feb, 2015.
- Lee, Sungwon and Bumsoo Lee. “The role of urban form in reducing VMT and GHG emissions at two spatial scales,” Association of Collegiate School of Planning Annual Conference, Philadelphia, PA. Nov, 2014.
- Bond, T., E. Winijkul, L. Liu, T. Sun, T. Hwang, Y. Ouyang, S. Lee, and B. Lee. “Energy-related emission projections: The nexus of economy, infrastructure, and technology,” 13th International Global Atmospheric Chemistry (IGAC) Science Conference, Natal, Brazil, Sep, 2014
- Lee, Sungwon and Bumsoo Lee. “Does smart growth work better under higher fuel prices? Complementary effects of land use planning and pricing on VMT reduction,” Western Regional Science Association Conference, San Diego, CA. Feb, 2014.
- Lee, Sungwon and Bumsoo Lee. “Influences of urban form on vehicle miles traveled and greenhouse gas emissions at two spatial levels,” North American Meetings of the Regional Science Association International, Atlanta, GA. Nov, 2013.
- Lee, Sungwon and Bumsoo Lee. “Complementary effects of urban form and fuel prices on VMT reduction,” AESOP/ACSP Joint Congress, Dublin, Ireland. July, 2013.
- Lee, Yongsung and Bumsoo Lee. “Complementarity between pricing and land use planning,” Western Regional Science Association Conference, Santa Barbara, CA. February, 2013.
- Lee, Bumsoo, Tami Bond, Yanfeng Ouyang, Chris Barkan, Sungwon Lee, and Taesung Hwang. “Global-to-urban models for minimizing air quality and climate impacts of freight transportation,” Association of Collegiate School of Planning Annual Conference, Cincinnati, OH. November, 2012.

- Lee, Sungwon and Bumsoo Lee. "The impacts of urban spatial structure on household sector greenhouse gas emissions in U.S. urbanized areas," Association of Collegiate School of Planning Annual Conference, Cincinnati, OH. November, 2012.
- Lee, Bumsoo and Sungwon Lee, Polycentric urban structure and agglomeration economies in consumption and production, presented at Western Regional Science Association Conference, Poipu, Hawaii, February 2012.
- Lee, Bumsoo and Sungwon Lee, Urban structure and agglomeration economies in US metropolitan areas, presented at Association of Collegiate School of Planning Annual Conference, Salt Lake City, Utah, October 2011.
- Lee, Bumsoo and Sungwon Lee, Spatial structure and agglomeration economies in US metropolitan areas, presented at Global Conference on Economic Geography Seoul, Korea. June 2011.
- Lee, Bumsoo, "The determinants of spatial structure in US metropolitan Areas." Association of American Geographers Annual Conference. Washington, DC. Apr. 2010.
- Lee, Bumsoo, "Influence of urban form at two spatial levels on travel mode choice." Association of Collegiate School of Planning Annual Conference. Minneapolis, MN. Oct. 2010.
- Gordon, Peter and Bumsoo Lee, "Urban structure: Its role in urban growth, net new business formation and industrial churn." Western Regional Science Association 48th Annual Meeting. Napa, CA. Feb. 2009.
- Rose, Adam, Gbadebo Oladosu, Bumsoo Lee, and Garrett B. Asay, "The economic impacts of the 2001 terrorist attacks on the World Trade Center: A computable general equilibrium analysis." Western Regional Science Association 48th Annual Meeting. Napa, CA. Feb. 2009.
- Ahn, Yongjin and Bumsoo Lee, "Neighborhood characteristics, diet, physical activity, and obesity: A path analysis." Association of Collegiate School of Planning Annual Conference. Crystal City, VA. Oct. 2009.
- Rose, Adam, Gbadebo Oladosu, Bumsoo Lee, and Garrett Asay. "The economic impacts of the September 11 terrorist attacks on the World Trade Center," North American Meetings of the Regional Science Association International. Brooklyn, NY. Nov. 2008.
- Lee, Bumsoo, Peter Gordon, James E. Moore, and Harry W. Richardson. "Residence or Workplace? Neighborhood Attributes and Transit Use in Commute," Western Regional Science Association 47th Annual Meeting. The Big Island, HI. Feb. 2008.
- Rose, Adam, Peter Gordon, and Bumsoo Lee. "Estimating total economic impacts of bioterrorism attacks." Society for Risk Analysis Annual Meeting. San Antonio, TX. Dec. 2007.
- Lee, Bumsoo. "Commute and urban form at two spatial levels: A multilevel approach," 54th Annual North American Meetings of the Regional Science Association International. Savannah, GA. Nov. 2007.
- Lee, Bumsoo, Peter Gordon, James E. Moore II, Jiyoung Park, and Harry W. Richardson. "Estimating the state-by-state economic impacts of a foot-and-mouth disease (FMD) attack," 54th Annual North American Meetings of the RSAI. Savannah, GA. Nov. 2007.
- Lee, Bumsoo and Peter Gordon. "Urban spatial structure and metropolitan growth," Western Regional Science Association 46th Annual Meeting. Newport Beach, CA. Feb. 2007.
- Lee, Bumsoo. "Emerging metropolitan spatial structure and commuting," Western Regional Science Association 45th Annual Meeting. Santa Fe, NM. Feb. 2006.
- Lee, Bumsoo, Peter Gordon, James E. Moore, and Harry W. Richardson. "Non-work trips revisited: A neglected issue in urban transportation," Western Regional Science Association 45th Annual Meeting. Santa Fe, NM. Feb. 2006.

- Lee, Bumsoo. "A multilevel approach to the links between metropolitan spatial structure and travel behavior," Association of Collegiate School of Planning Annual Conference. Kansas City, MO. Oct. 2005.
- Gordon, Peter, Bumsoo Lee, James E. Moore, and Harry W. Richardson. "Do neighborhood attributes affect commuting times?" Western Regional Science Association 44th Annual Meeting. San Diego, CA. Feb. 2005.
- Lee, Bumsoo. "Edge or edgeless cities? Growth patterns of US metropolitan employment centers," Western Regional Science Association 44th Annual Meeting. San Diego, CA. Feb. 2005.
- Lee, Bumsoo. "Urban spatial structure and commuting in US metropolitan areas," Association of Collegiate School of Planning Annual Conference. Portland, OR. Oct. 2004.
- Gordon, Peter and Bumsoo Lee. "Settlement patterns in the US and Canada: Similarities and differences," 26th Australian Transport Research Forum. Wellington, New Zealand. Oct. 2003.
- Lee, Cheol-ho and Bumsoo Lee. "Spatial growth patterns of US IT-producing and IT-using industries in the 1990s," ACSP-AESOP Third Joint Congress. Leuven, Belgium. Jul. 2003.
- Lee, Bumsoo. "Polycentric or dispersed cities? Growth patterns of US metropolitan employment centers," Association of Collegiate School of Planning Annual Conference. Baltimore, MD. Nov. 2002.

SELECTED WORKING PAPERS AND TECHNICAL REPORTS

- Braun, Lindsay M., Bumsoo Lee, Jesus M. Barajas, Amanda Merck, and Emily Hutchinson. 2023. *Downstate Illinois Transit Non-Rider Study*. Illinois Department of Transportation.
- Braun, Lindsay M., Jesus M. Barajas, Bumsoo Lee, Rebecca Martin, Rafsun Mashraky, Shubhangi Rathor, and Manika Shrivastava. 2021. *Construction of Pedestrian Infrastructure along Transit Corridors*. Illinois Center for Transportation, Research Report No. FHWA-ICT-21-004.
- Lee, Bumsoo, Junghwan kim, Rebecca Martin, and Swati Rastogi. 2020. 2019 *Campus Transit Ridership Study*. University of Illinois and Champaign-Urbana Metropolitan Transit District.
- Lee, Bumsoo, Eunjung Kim, and Yongjin Ahn. 2009. *The Effects of Neighborhood Environment on Obesity*. Anyang, Korea: Korea Research Institute of Human Settlements 2009-14. (In Korean).
- Lee, Bumsoo, Peter Gordon, and James E. Moore, II. 2007. "Simulating the economic impacts of various hypothetical bio-terrorist attacks," Department of Homeland Security grant through CREATE EM-2004-GR-0112.
- Gordon, Peter, Bumsoo Lee, and Harry W. Richardson. 2004. "Travel trends in US cities: Explaining the 2000 Census commuting results," Lusk Center for Real Estate Working Paper 2004-1007, University of Southern California.
- Gordon, Peter, Bumsoo Lee, James E. Moore, and Harry W. Richardson. 2004. "Neighborhood Attributes, Commuting Behavior and Jobs-Housing Balance: A Comparative Study Across California's Major Metropolitan Areas," METRANS Project 04-13.
- Gordon, Peter, Bumsoo Lee, James E. Moore II, Harry, W. Richardson, and Christopher Williamson. 2003. "Neighborhood Attributes and Commuting Behavior: Transit Choice," METRANS Project 03-20.
- Research Project Reports from Korea Research Institute for Human Settlements (All with coauthors, in Korean)
- Evaluation of Greenbelt Policy in Korea*. 1999.
- Evaluation of Newtown Development Policy in the Seoul Metropolitan Area*. 1999.
- Feasibility Study of the Wonju Railway Station Relocation Project*. 1999.
- National Coastal Zone Assessment and Management Policy II*. 1998.

Accessibility Improvement Policy for Remote Island Regions in Korea. 1997.
Long-Term Master Plan for the Historic City of Kyungju, Korea. 1997.
Economic Development Strategies for Island Regions in Korea. 1996.
National Coastal Zone Assessment and Management Policy I. 1996.

EDITORSHIPS

Associate editor, *Journal of Planning Education and Research*, 2024-Present

Editorial board member, *International Journal of Urban Science*, 2014-present

Editorial board member, *Journal of Korean Planning Association*, 2017-present

Editorial board member, *SMART CITY*, 2019-present

RECENT MAJOR UNIVERSITY, COLLEGE & DEPARTMENT SERVICE

Director of MUP Program, 2017-2022

University of Illinois MTD Service Advisory Committee, 2018-present

Campus Sustainability Working Advisory Team on Transportation, Institute for Sustainability, Energy, and Environment, 2014-2016, 2022-present

Director of MUP Admissions, 2013-2017

CFAA Creative Research Award Committee member, 2013-2015

CFAA Lorado Taft Lecture Award Committee member, 2008-2010

EXTERNAL ADVISORY BOARDS, COUNCILS & OTHER ACTIVITIES

Willard Airport Governance and Sustainable Air Service Advisory Task Force member, 2013-2015

DOCTORAL STUDENTS SUPERVISED

Md Tanvir Hossain Shubho (2022): *Impacts of Ride-Hailing Services on Travel Behavior*. Transportation Planner, Department of Transportation, State of California.

Joanna Ganning (2010): *Growth Effects of Urban-Rural Intra-Regional Linkages on Counties and Communities in the U.S.* Assistant Professor, Department of Urban Studies, Cleveland State University.

Sungwon Lee (2015): *The Role of Urban Spatial Structure in Reducing VMT and GHG Emissions*. Assistant Professor, Department of Urban Planning & Real Estate, Gangneung-Wonju National University, Korea.

DOCTORAL COMMITTEES

Marwan Ammar (2017), Civil and Environmental Engineering, University of Illinois.

Dwayne Baker (2016), Urban and Regional Planning, University of Illinois.

Taisuke Sadayuki (2016), Economics, University of Illinois.

Carlos R. Figueroa (2014) Urban and Regional Planning, University of Illinois.

Claudia Vicentelo (2014), Urban and Regional Planning, University of Illinois.

Andi Irawan (2014) Urban and Regional Planning, University of Illinois.

Taesung Hwang (2014) Civil and Environmental Engineering, University of Illinois.

Seyed Mohammad Nourbakhsh (2014) Civil and Environmental Engineering, University of Illinois.

MASTERS THESES/PROJECTS SUPERVISED

Anusha Mishra, MUP 2019, “Are ride-hailing services substitute or complement for public transit?”

Rafsun Mashraky, MUP 2019, “Enhancing pedestrian access to transit in Chicago suburbs”

- Bincy Koshy, MUP 2019, “Assessing primary healthcare accessibility in a four-county region in Indiana using a gravity-based model”
- Hyunsik Choi, MUP 2019, “Equitable transit oriented development”
- Amanda Wolfe, MUP 2018, “Car-free by choice or carless by economic constraint?”
- Mahmood Al-Wahaibi, MUP 2018, “Placement of logistics hubs in Oman and the Gulf Political uncertainty”
- Junghwan Kim, MUP 2018, “New job accessibility and employment outcomes”
- Yiyuan (Gavin) Wang, MUP 2018, “Residential location choices of Millennials: Evidence from the Chicago urbanized area”
- Ziqi Liu, MUP 2018, “The influence of metro lines on urban spatial structure and housing prices in Shanghai”
- Sukanya Sharma, MUP 2018, “Dark side of the sharing economy: Airbnb and housing affordability in San Francisco”
- Geoff Gray-Cornelius, MUP 2017, “Safer sidewalks: A pedestrian infrastructure demand model for Dutchess County roads”
- Gurdeep Kaur, MUP 2016, “Working towards social equity in transportation planning: A case study in Fortaleza, Brazil”
- Shuake Wuzhati, MUP 2016, “Towards better communication in planning: An interactive data portal”
- Myke Griseta, MUP 2016, “Connecting people and place prosperity in Chicago’s near north”
- Mariane Shen Yin Lin, MUP 2016, “Savoy, IL Bike & Pedestrian Plan”
- Laitian Zhong, MUP 2016, “Car less or car later? The factors associated with the decreased car ownership of Millennial households in the central Puget Sound region, 1989-2014”
- Evan Alvarez, MUP 2016 “A pedestrian infrastructure and sidewalk waiver policy plan for Mobile, Alabama”
- Zherui Li, MUP 2015, “Decarbonizing the last mile of E-commerce in Shanghai”.
- Alex Norr, MUP 2015, “Regional and sub-regional economic impact study of Illinois agricultural fairs”, 2015 Best Capstone Project Awards.
- Prateek Mittal, MUP 2014, “Champaign-Urbana health impact assessment”.
- Quan Chak Daniel Tse, MUP 2014, “Moving beyond bronze: Improving Urbana’s bicycle and trail system”, 2014 Best Capstone Project Award.
- Drew Awsumb, MUP 2014, “The regional transit city: Scaling transit-oriented development and bus system design in Peoria, IL”.
- Kerilyn Gallagher, MUP 2013, “Principles for pedestrian-oriented shopping street: An analysis for Hekili Street in Kailua, HI”.
- Yongsung Lee, MUP 2012, “Variations in gasoline price and transit ridership in the United States and its implication of land use and transportation policy”.
- Seth Gunnerson and Dan Begert, MUP 2011, “Urbana downtown urban market study and recommendations for revitalization”.
- David Massey, MUP 2011, “Developing performance measures for the metropolitan transportation system in the Fargo-Moorhead Metropolitan Area”.