Dr. EUNSU LEE

Jersey City, NJ 07311 | (201) 200-3505 | ELEE3@NJCU.EDU | LinkedIn: https://www.linkedin.com/in/eunsu-lee/

EDUCATION

2011 Ph.D. Transportation and Logistics, **North Dakota State University**, Fargo, North Dakota, USA

2007 M.S. Industrial Management & Engineering, **North Dakota State University**, Fargo, North Dakota, USA

2001 M.B.A. Production Management, **Hanyang University**, Seoul, Korea

1996 B.E. Computer Science and Engineering, **Catholic Kwandong University**, Gangnung-city, Gangwon-do, Korea

Certificates

2014 Discrete Choice Analysis: Predicting Demand and Market Shares, **Massachusetts Institute of Technology (MIT)**, Cambridge, MA (2.8 CEU), on *June 16-20, 2014*

2012 Modeling and Simulation of Transportation Networks, Instructor: *Moshe E. Ben-Akiva*, **Massachusetts Institute of Technology (MIT)**, Cambridge, MA (2.8 CEU), *August 2012*

2013 NCI Charrette System, Graduate School of Design, **Harvard University**, Cambridge, MA, in July 2013

AUTHORED BOOK

2023 **Lee, E**., *Geographic Information Systems for Intermodal Transportation*, Elsevier Inc.: Amsterdam, Netherlands, Publication Date: March 1, 2023, ISBN: 9780323901291/ eBook ISBN: 9780323901307.

PROFESSIONAL EXPERIENCE

2023 – NJCU-KMI Center for Supply Chain & Maritime Logistics (CSCML), New Jersey City University, Jersey City, New Jersey, USA (In Partnership with Korea Maritime Institute)

2005 – 2015 The Upper Great Plains Transportation Institute (UGPTI), North Dakota State University (NDSU), Fargo, North Dakota, USA

2002 – 2004 Logistics Consultant, Korex Consulting Co., Ltd., Seoul, Korea

2001 – 2002 ERP Finance and Decision Support Consultant, Baan Korea Co. Ltd. (Invensys Inc. → SSA Global Technologies), Seoul, Korea

2001 – 2001 Technical Service Manager & Project Manager, E-IDEA Data Bank Co., Seoul, Korea

1996 – 2001 The National Livestock Cooperatives Federation (NLCF), Seoul, Korea

1990 – 1992 Ordinance Logistician (Class 5), the Republic of Korea Army (ROKA)

ACADEMIC EXPERIENCE

2024 – **Full Professor** of Management Department, School of Business, New Jersey City University, Jersey City, New Jersey, USA (*Tenured*)

2018 – 2024 **Associate Professor** of Management Department, School of Business, New Jersey City University, Jersey City, New Jersey, USA (*Tenured*)

2015 – 2018 **Assistant Professor** of Management Department, School of Business, New Jersey City University, Jersey City, New Jersey, USA (*Tenure-Track*)

2015 – 2018 Level 3 **Affiliate Graduate Faculty**, North Dakota State University, Fargo, North Dakota, USA

2012 – 2015 **Lecturer**, Transportation and Logistics Program, Graduate School of Interdisciplinary, North Dakota State University, Fargo, North Dakota, USA

2013 – 2015 **Adjunct Faculty**, Department of Industrial and Manufacturing Engineering, College of Engineering & Architecture, North Dakota State University, Fargo, North Dakota, USA

PROFESSIONAL LICENSES AND CERTIFICATES

2012 – 2027 Certified **Supply Chain Professional** (CSCP) the Association for Supply Chain Management (ASCM; formerly known as APICS) – ID: 115216, January 1, 2012 (Valid until January 31, 2027).

2011 – 2026 Certified in **Planning and Inventory Management** (CPIM), the Association for Supply Chain Management (ASCM; formerly known as APICS) – ID: 113581, September 27, 2011 (**Valid until September 30, 2026**).

2012 – 2025 **GIS Professional** (GISP**)**, the Geographic Information Systems Certification Institute (GISCI)-No.65258, since 2011 (**Renewed in January 2023**).

2000   Korea Certified Logistics Consultant (**KCLC**), endorsed by the Minister of Land, Transport, and Maritime Affairs, Republic of Korea, since 2000.

1999   National License for **Distribution Manager** (1st & 2nd class), licensed by the Korea Chamber of Commerce and Industry, endorsed by the Minister of Knowledge Economy, Korea, since 1999.

1996   **Industrial Engineer of Office Automation**, Human Resources Development Service of Korea (HRDK), endorsed by the Ministry of Science and ICT, Korea.

TEACHING AREAS/COURSES PREPARED TO TEACH

Operations, Logistics, Transportation, and Supply Chain Management

Logistics Engineering and Management

Quality Assurance and Control / Quality Management

Strategic Planning and Design of Supply Chain

Operations and Supply Chain Management / Production Management

Sustainable Supply Chain Operations and Management

Transportation Planning

Context Sensitive Solutions (CSS)

Project Management

Data Science, Business Analytics, and Information Systems and Technology

Data Analysis and Data Modeling / Machine Learning / Database Management Systems (DBMS with SQL)

Data Visualization and Communication

Enterprise Resource Planning (ERP) / Management Information Systems (MIS)

Geospatial/Geographic Information Systems (GIS)

Statistics / Data and Analytics

Supply Chain Analytics

Travel Demand Modeling (TDM)

Operations Research and Simulation (Management Science)

Business Enterprise Applications (MS Excel and Bloomberg)

INVITED TALKS/PANEL

2025 *Navigating the Future: Trends and Forecasts for Logistics and Transportation Between the Northeast U.S. and Mexico* [Panel Discussion]. Mexico-U.S. Logistics and Transportation Conference, Jersey City, NJ, USA (June 17, 2025).

2023 *Port of Digital and Decarbonization Age* [Panel Discussion]. US-Korea Conference on Maritime Logistics and Supply Chian, Jersey City, NJ, USA (November 8, 2023).

2023 *Supply Chain Intelligence and Analytics on Digital Supply Chain* [Technical Session – Data, Network, and AI]. KSEA – Northeast Regional Conference, Montclair State University, NJ, USA (April 29, 2023).

2022 *Global Supply Chain Disruption in the Global Affairs* [Seminar: Distinguished Lecture]. Asia-Pacific School of Logistics, Incheon, Korea (December 2022).

2022 *Shipping Port Changes to Global Supply Chain Risk* [Panel Presentation]. Oceans and Fisheries Future Risk Seminar. Korea Maritime Institute, Busan, Korea (December 18, 2022). https://youtu.be/EyDkzUazTsk?t=13372

2022 *Meeting with Artificial Intelligence & Unmanned Mobility* [Special Lecture]. Korea Systems Engineering Society (KOSSE) Fall Conference, Seogwipyo, Jeju-Special Self-governing Province, Korea (November 8-11, 2022). https://youtu.be/HbFOzZ46izw?t=9498

2022 *The Global Supply Chain (GSC) Crisis and Its Solution in New Cold War Era* [Panel Presentation]. Hankyore-Busan International Symposium, Busan, Korea (October 25-26, 2022). https://youtu.be/va_Se2M9R08?t=24638; https://www.hani.co.kr/arti/politics/diplomacy/1064404.html

2022 *New Jersey's Supply Chain and Logistics Industries* [Keynote Address]. **Explore NJ** (NJ Choose, NJ Economic Development Authority & CIANJ), Jersey City & Brunswick, NJ (June 22-24, 2022).

2022 *The Impact of Supply Chain Disruption on Small Business* [Webinar]. America's Small Business Development Center (NJSBDC), *NJThrive #046*, Newark, NJ (June 17, 2022). https://youtu.be/ueHfdJL8ulU?t=400

2020 *Ambulance Pre-assignment Problem* [Webinar]. **Gothic Research Seminar Series**, the NJCU School of Business, Jersey City, NJ (October 2, 2020).

2019 *Transportation/Logistics/Distribution (TLD) middle-skill program* [Lecture]. The NJCU **Logistics Center**, Jersey City, NJ (February 6 & 13, 2019; 12 hours in total)

2018 *Urban Transportation and Supply Chain Systems in NY/NJ* [Lecture]. **Tianjin Municipal Engineering Design & Research Institute (China)**, New Jersey City University, Jersey City, NJ (October 26, 2018).

2018 *Statewide Freight Modeling to Support Energy and Agricultural Logistics* [Presentation]. **Korea Research Institute for Human Settlements (KRIHS),** Sejong Special Self-Governing City, Korea (August 3, 2018).

2014 *Using FAF Data in Economic Analysis* [Webinar]. Office of Freight Management and Operations, **Federal Highway Administration (FHWA),** U.S. Department of Transportation, Washington D.C., USA (Number of attendees: 159) (June 26, 2014). https://connectdot.connectsolutions.com/p6ktpaxknm3 [00:41:50]

2014 *Linear Referencing Systems and Management: Applications* [Presentation]. **Pine to Prairie GIS User Group** (Number of attendees: 19), Pelican Rapids, MN.

2014 *Vehicle Routing Problem using ArcGIS* [Presentation]. **Pine to Prairie GIS User Group** (Number of attendees: 25), Pelican Rapids, MN.

PUBLICATIONS (*Corresponding Author)

Peer-Reviewed Papers

2024 Rehman, U. Z, Hina, S., Szemerekovsky, J., **Lee, E.S.***, Arooj, S., Analyzing Supply Chain Sustainability-Related Risk in the Pakistan Textile Industry. *Journal of Managerial Issues, 36(4)*, 310-331.

2024 Echavarria, D., Grund, K., **Lee, E.S.***, Modeling Supply & Demand in the Self-Storage Market Using Data Envelopment Analysis (DEA). *Management Review: An International Journal, 19(2)*, 78-114. https://doi.org/10.55819/mrij.2024.19.2.78

2022 Hina, S., Szmerekovsky, J., **Lee, E.S.***, Amin, M., Arooj, S. Spatial multi-criteria decision analysis for identifying suitable solid waste landfill sites. *The Journal of Solid Waste Technology and Management, 48(2)*, 196-207. https://doi.org/10.5276/JSWTM/2022.196

2022   Kim, G., **Lee, E.S**., Kim, B.K.* Consolidation of container berths. *Asian Journal of Shipping and Logistics*, 38(1), 19-24. https://doi.org/10.1016/j.ajsl.2021.11.003

2021   Karim, A., Hina, S., **Lee, E**.*, & Arooj, S. An empirical study of automated software test to improve software quality: A case study of Pakistan. *Management Review: International Journal*, *16(2)*, 101 - 130**.**

2021   **Lee, E.S.*,** McDonald, M., Montgomery, W., & O'Neill, E. Spatial key performance indicators on the statewide ambulance coverage of a mixed urban, rural, and frontier region. *Transaction in GIS, 25(4)*, 2125-2145. https://doi.org/10.1111/TGIS.12771

2021   **Lee, E.S.*,** McDonald, O'Neill, E., & Montgomery. W. Multi-Level statewide ambulance coverage of a mixed urban, rural, and frontier region under travel time catchment areas. *International Journal of Environmental Research and Public Health, 18(5)*, 2638. https://doi.org/10.3390/ijerph18052638

2021   Medina, J.*, Kim, J.H., & **Lee, E.**, Did the Panama Canal expansion benefit small U.S. ports? *Maritime Transportation Research, 2*, 100013. https://doi.org/10.1016/j.martra.2021.100013.

2021   **Lee, E.***, Chakraborty, D., & McDonald, M., Predicting oil production sites for planning road infrastructure: trip generation using SIR epidemic model. *Infrastructures. 6(2),* 1-15; https://doi.org/10.3390/infrastructures6020015

2020   Medina, J., Kim, J.H., and **Lee, E.***, The preliminary effect of Panama Canal: An empirical study. *Research in Transportation Economics, 84(100969)*, 1-8. https://doi.org/10.1016/j.retrec.2020.100969

2020   Hina, S.M., Szmerekovsky, J., **Lee, E.***, Amin, M., & Arooj, S. Effective municipal solid waste collection using geospatial information systems for transportation: A case study of two metropolitan cities of Pakistan. *Research in Transportation Economics, 84(100950)*, 1-10. https://doi.org/10.1016/j.retrec.2020.100950

2020   Mokashi, A.*, **Lee, E.** De La Fuente, N., & Picciano, A. Teaching transportation online: A case study. *IIRE Journal of Maritime Research and Development, 4(2)*, 1-22. https://ojsiire.com/index.php/IJMRD/article/view/146 (**Co-authored with undergraduate students**).

2020   **Lee, E.***, De La Fuente, N., McDonald, M., & O'Neill, E. Pre-assignment of ambulances in urban areas: A case study of Jersey City. *Journal of Strategic Innovation and Sustainability, 15(3)*, 24-35. https://doi.org/10.33423/jsis.v15i3.2946 (**Co-authored with an undergraduate student**).

2020   **Lee, E.***, Chen, Y.-Y., McDonald, M., & O'Neill, E. Dynamic response systems of healthcare mask production to COVID-19: A case study of Korea. *Systems, 8(2)*, 18. https://doi.org/10.3390/systems8020018

2019   **Lee, E.***, Mokashi, A.J., Moon, SY, & Kim, G. The maturity of automatic identification systems (AIS) and its implications for innovation. *Journal of Marine Science & Engineering, 7(9)*, 287, 1-17. https://doi.org/10.3390/jmse7090287

2018   Wadhwa, S.S.*, Farahmand, K. & **Lee, E.S.**, Site selection using multi-attribute decision analysis in GIS: A case study on the brownfields of Minnesota. *International Journal of Engineering Research & Innovation, 10(1)*, 51-56.

2018   Khan, I.U.*, **Lee, E.**, & Khan, M.A., Developing a highway-rail grade crossing accident probability prediction model: A North Dakota case study. *Safety, 4(2)*, 1-12. https://doi.org/10.3390/safety4020022 **(Feature Paper of the Issue).**

2017   Bridgelall, R., **Lee, E.***, and Bell, M. Strategic global logistics management for sourcing road oil in the U.S. *Journal of International Trade, Logistics, and Law*, *3(2)*, 1-11. http://www.jital.org/index.php/jital/article/view/64 **(Bright Idea Award).**

2017   **Lee, E.*** Revamping tribal road networks from various sources and improving quality of the networks. *Transportation Research Record: Journal of the Transportation Research Board*, *No. 2605*, 124-132. http://dx.doi.org/10.3141/2605-13 (**Practice-ready Paper**).

2017   Dharmadhikari, N.*, Farahmand, K., **Lee, E.**, Vachal, K., & Ripplinger, D. Yield forecasting to sustain the agricultural transportation under stochastic environment. *International Journal of Research in Engineering and Science*, 5(8), 51- 60. http://ijres.org/papers/Volume%205/Vol5-Iss8/Version-1/H5815160.pdf

2016 Bridgelall, R.*, Rafert, J.B., Tolliver, D., & **Lee, E.** Rapid hyperspectral image classification to enable autonomous search systems. *Journal of Spectral Imaging, 5 (a5)*, 1-8. http://dx.doi.org/10.1255/jsi.2016.a5

2016 Bridgelall, R., **Lee, E.*** & Taleqani, A.R. Sourcing strategy for asphalt production feedstock considering multimodal transport options. *Management Review: International Journal*, 11(1), 4-31. https://www.informs.org/content/.../MRIJ%202016%2011(1)%20pp%204-31.pdf

2016 Bridgelall, R.*, Rafert, J.B., Tolliver, D., & **Lee, E.** Resolution agile remote sensing for hazardous material spill. *Transportation Research Record: Journal of Transportation Research Board, No. 2547*. http://dx.doi.org/10.3141/2547-08

2016 Park, Y.S., Al-Qublan, H., **Lee, E.** *, & Egilmez, G. Interactive spatiotemporal analysis of oil spills using comap in North Dakota. *Informatics*, 3(2), 1-10. http://dx.doi.org/10.3390/informatics3020004

2016 Dharmadhikari, N., **Lee, E.***, & Kayabas, P. The lifecycle benefit-cost analysis for a rural bridge construction to support energy transportation. *Infrastructures*, 1(1), 1-14. http://dx.doi.org/10.3390/infrastructures1010002

2015 Stith, D. & **Lee, E.*** Context sensitive solution: A case study of Jamestown corridor improvement. *Journal of Civil Engineering and Architecture, 9*(11), 1334-1340. http://dx.doi.org/10.17265/1934-7359/2015.11.008

2015 Dharmadhikari, N.* & **Lee, E.** Average opportunity-based accessibility of public transit systems to grocery stores in small urban area. *Cogent Engineering, 2*(1)*, 1-15.* http://dx.doi.org/10.1080/23311916.2015.1068968

2015 **Lee, E.***, & Oduor, P. G. Using multi-attribute decision factors for traffic assignment, ISPRS *International Journal of Geo-Information, 4*(2), 883-899. http://dx.doi.org/10.3390/ijgi4020883

2015   **Lee, E.***, Dybing, A., & Shakya, S. Location-routing problem with time window and land use plan using GIS. *Beverages, 1*(2), 55-69. http://dx.doi.org/10.3390/beverages1020055

2015 **Lee, E.*** Spatial analysis for an intermodal terminal to support agricultural logistics: A case study in the Upper Great Plains. *Management Research Review, 38*(3), 299-319. http://dx.doi.org/10.1108/MRR-06-2013-0131

2015 Choi, J., Roberts, D.C.*, & **Lee, E.** Forecasting oil production in North Dakota Using the seasonal autoregressive integrated moving average (S-ARIMA). *Natural Resources, 6*, 6-16. http://dx.doi.org/10.4236/nr.2015.61003

2015 Choi, J.*, Roberts, D.C., & **Lee, E.** Productivity growth in the transportation industries in the United States: An application of the DEA Malmquist Productivity Index. *American Journal of Operations Research, 5*(1), 1-20. http://wx.doi.org/10.4236/ajor.2015.51001

2014 Choi, J.*, Roberts, D.C., & **Lee, E.** Forecast of CO_2 emissions from the U.S. transportation sector: Estimation from a double exponential smoothing model. *Journal of Transportation Research Forum, 53*(3), 63-81. http://dx.doi.org/10.5399/osu/jtrf.53.3.4246

2014 Choi, J., **Lee, E.***, & Roberts, D.C. Reshaping tribal road network using public information. *Journal of Geographic Information System, 6*(6), 594-604. http://dx.doi.org/10.4236/jgis.2014.66049

2014 Kim, C.M. & **Lee, E.*** Soybean import demand analysis in east Asia: Korea, China, and Japan. *Management Review: An International Journal, 9*(1), 4-24.

2014 **Lee, E.*** Designing service coverage and measuring accessibility and serviceability of rural and small urban ambulance systems. *Systems, 2*(1), 34-53. http://dx.doi.org/10.3390/systems2010034

2014 **Lee, E.***, Farahmand, K., Oduor P. G., & Tolliver, D. Intermodal transportation of global supply chain for the containerized freight. *Maritime Economics & Logistics, 16(1)*, 33-54. https://doi.org/10.1057/mel.2013.22

2014 **Lee, E.*** & Rhim, H. Defining factors affecting user's satisfaction for information systems by using conjoint analysis. *Management Research Review, 37*(1), 69-88. http://dx.doi.org/10.1108/MRR-10-2012-0213

2013 **Lee, E.*** & Farahmand, K. Simulation of port disruption and transportation resources for U.S. containerized imports. *Management Review: An International Journal, 8(1)*, 4-37. https://www.informs.org/content/download/277561/2659267/file/MRIJ%208

2013 **Lee, E.*** & Farahmand, K. Simulation of a base stock inventory management system integrated with transportation strategies of a logistic network. *Journal of Civil Engineering and Architecture,* 7(5), 633-644. http://dx.doi.org/10.17265/1934-7359/2013.05.014

2012 **Lee, E.***, Farahmand, K., & Oduor, P. G. Application of signal detection theory to ascertain driving risk and mitigation in a flooded urban area. *Journal of Civil Engineering and Architecture, 6*(4), 515-530. http://dx.doi.org/10.17265/1934-7359/2012.05.001

2012 **Lee, E.***, Oduor, P. G., & Farahmand, K. Simplistic geospatial techniques in analyzing transportation dynamics for origin-destination container movement routes in the United States. *Journal of Transportation, System Engineering, and Information Technology, 12*(1), 79-90. https://doi.org/10.1016/S1570-6672(11)60185-2

2011 **Lee, E.***, Oduor, P. G., Farahmand, K., & Tolliver, D. Heuristic path-enumeration approach for container trip generation and assignment. *Journal of Transportation Research Forum, 50*(3), 7-21. http://dx.doi.org/10.5399/osu/jtrf.50.3.4118

2011 Tolliver, D.*, Dybing, A., Lu, P., & **Lee, E.** Modeling investments in county and local roads to support agricultural logistics. *Journal of Transportation Research Forum, 50*(2), 101-115. http://dx.doi.org/10.5399/osu/jtrf.50.2.2741 **(Feature Paper of the Issue).**

Peer-Reviewed Conference Proceedings

2024 Wasif, B., Hina, S., & Lee, E.S., Investigating the Impact of Digital Solutions on the Sustainability of Power Utilities, Proceedings of Northeast Decision Science Institute 2024, Cambridge, MA, April 4-6, 2024 (In Press)

2023 Echavarria, D., Ortiz, R., & Lee, E., Weathering the Storm: An Efficiency Analysis Amidst New Jersey Universities' Crisis, Proceedings of the Decision Science Institute 2023, Atlanta, GA, November 15-17, 2023 (pp. 337-1349).

2019 Medina, J., Kim, J.H., & **Lee, E.**, Changes in import volumes for small ports in the U.S. after the Panama Canal expansion. In Eric Stein (Eds.), Proceedings of the Northeast Decision Science Institute, Philadelphia, PA, April 4-6 (pp. 89 – 103).

2018 Taleqani, A.R., **Lee, E.**, & Hough, J., Micro-simulation approach to rural freight movement modeling, Proceedings of the Transportation Research Board, Washington D.C. Transportation Research Board 97th Annual Meeting, 18-00085. https://trid.trb.org/view/1494287

2017 Ibold, K. & **Lee, E.,** Site selection of air and spaceport for space tourism using multi-criteria approach. In M. Tehrani (Eds.), Proceedings of the Northeast Decision Science Institute Conference, Springfield, MA, 22-25 March (pp. 742-753).

2017 **Lee, E.** (2017, January). Revamping tribal road networks from various sources and improving quality. In TRB committee ABE80 Standing Committee on Native American Transportation Issues, Compendium of Transportation Research Board 96th Annual Meeting, Washington D.C., 15-17 January (pp.19). Paper ID:17-05560.

2016 Bridgelall, R.*, Rafert, J.B., Tolliver, D., & **Lee, E.*** Resolution agile remote sensing for hazardous material spill. Transportation Research Board 95th Annual Meeting, 16-0110. http://trid.trb.org/view.aspx?id=1392235.

2015 Bridgelall, R. & **Lee, E.*** Context sensitive solution: A case study of Northwest Highway White Rock Lake, Dallas, USA. *Transportation Research Board Annual Meeting Compendium*, January 2015, Paper ID:15-3291.

2010 **Lee, E.*** & Farahmand, K. Simulation of a base stock inventory management system integrated with transportation strategies of a logistic network. *Proceedings of the 2010 Winter Simulation Annual (WinSim) Conference,* 1934-1945.

2009　**Lee, E.*** & Farahmand, K. Considering impedance for intermodal freight transportation. In: J.C. Smith and J. Geunes, (eds.) *Innovations Revealed*. Proceedings of the 2009 Institute of Industrial Engineering Research Conference (IERC), 1345-1350.

2008　Farahmand, K. & **Lee, E.*** Investigating Productivity and Efficiency through Simulation Technology and Application. *2008 IIE Annual Conference – Applied Solutions Session*.

2008　**Lee, E.*** & Farahmand, K. Impact of demand variability on supply chain performance. In: J. Fowler and S. Mason, (eds.) *How Businesses Take Flight*. Proceedings of the 2008 Industrial Engineering Research Conference (IERC), 1338-1343.

Non-Refereed Papers and Proceedings

2013　**Lee, E.*,** Dybing, A., & Tolliver, A. Statewide freight demand modeling to support long-range transportation planning in North Dakota. In *Innovations in Freight Modeling and Data: The Proceedings of the Freight Demand Modeling and Data Improvement Symposium - A Transportation Research Board SHRP 2 Symposium*. http://onlinepubs.trb.org/onlinepubs/shrp2/C43/SHRP2_symposium2013_Lee.pdf

2013　**Lee, E.** & Zheng, Z.* Development of GIS multimodal capacity model for the Northern Tier Freight Corridor. *Proceedings of the North Dakota GIS Users Conference 2013.*

2013　**Lee, E.*** Connectivity and equality: consequence of emergency medical services. *Proceedings of the Geospatial Information Systems for Transportation Symposium and Administrative Subcommittee on Information Systems (ASIS) Meeting.*

2013　**Lee, E.*** Long range transportation planning to deal with oil production. *Proceedings of the Geospatial Information Systems for Transportation Symposium and Administrative Subcommittee on Information Systems (ASIS) Meeting.*

2011　**Lee, E.*** 3D visualization for transportation networks in flood regions. *Proceedings of the Geospatial Information Systems for Transportation Symposium.*

2011　**Lee, E.*,** Oduor, P.G., Farahmand, K., & Tolliver, D. Dynamic algorithm for geospatial analysis to predict feasible freight routes. *Proceedings of the North Dakota GIS Users Conference 2011.*

2011　Dharmadhikari, N. & **Lee, E.*** Overcoming computational performance constraints of agricultural transportation planning in GIS. *Proceedings of the North Dakota GIS Users Conference 2011.*

2011　Kayabas, P.* & **Lee, E.** Location optimality for ambulance service in North Dakota. *Proceedings of the North Dakota GIS Users Conference 2011.*

2010　**Lee, E.*** Spatial decompositions for gravity and shortest path for set covering for measuring potential accessibility to emergency service. *Proceedings of URISA's 48th Annual Conference for GIS Professionals.*

2010　**Lee, E.*** Estimating trip diversion by using impedance in flood region. *GIS-T Symposium* by American Association of State Highways and Transportation Offici*als (AASHTO)*.

2009　**Lee, E.*** & Farahmand, K. Location problem for intermodal terminal in North Dakota. *Proceedings of the 2009 Transportation Research Forum Conference.*

Technical Reports

2024　Lee, S.W., Lee, E.S., Son, J.H., & Choi, G.W. (March 2024). 미국 해운정책의 현재와 미래: 시장보호와 기후변화 대응 (in Korean). Korea Maritime Institute, Busan, Korea. KMI 동향분석 (Vol. 196)

2020　Lyons, K.*, Comeau, M., Osorio-Fernandez, A., Quincy, R., Lu, J., **Lee, E.**, Mokashi, A., Feathers, S., Connors, C.W., Nehme, D. (February 2020). *City of Jersey City supplier diversity – purchasing disparity study*. The Office of Diversity and Inclusion, Jersey City, NJ, United States

2018　**Lee, E.*** & Rahim-Taleqani, Ali (November 2018). *Application of multi-agent system with the large-scale agent-based model for freight demand modeling*. Upper Great Plains Transportation Institute, Fargo, ND,

United States: Mountain-Plains Consortium, MPC-18-370.
https://www.ugpti.org/resources/reports/downloads/mpc18-370.pdf

2017 **Lee, E.*** (March 2017). Building a sustainable GIS framework for supporting a tribal transportation problem,"
North Dakota State University (NDSU) - Upper Great Plains Transportation Institute, Fargo, ND, United
States: Mountain-Plains Consortium: MPC-15-287.
https://www.ugpti.org/resources/reports/downloads/mpc15-287.pdf

2016 Choi, J.*, Lee, S.K., Lee, J.M., **Lee, E.S.**, Kim, W.C, & Kwon, H.S., Study on strategic plans for
transportation funding. Korea Research Institute for Human Settlements (KRIHS): 수시 16-56, ISBN 979-11-
5898-174-7, Daejeon, Korea.

2016 Witzke, E., Bhamidipati, C., Diersen, M., Wang, Z., & **Lee, E**. (March 2016). Agricultural freight data
improvement. South Dakota Department of Transportation: SD2014-09-F, Pierre, SD, United States.
http://nasconetwork.com/Websites/nasconetwork/files/Content/4850034/SD2014-09_Final_Report.pdf

2015 Lara Piesch & **Lee, E.*** (August 2015). Quality assurance of emergency management operation processes
through statistical process control. Upper Great Plains Transportation Institute: DP-283, Fargo, ND, United
States. http://www.ugpti.org/resources/reports/details.php?id=818

2014 Molla, Stone, L.M., & **Lee, E.** * (November 2014). Geostatistical approach to detect traffic accident hot spots
and clusters in North Dakota. Upper Great Plains Transportation Institute: DP-276, Fargo, ND, United States.
http://www.ugpti.org/resources/reports/details.php?id=780

2014 **Lee, E.*,** Dharmadhikari, N., and Dybing, A. (October 2014). Spatial estimates of long-term drilling
locations. Upper Great Plains Transportation Institute: DP-275, Fargo, ND, United States.
http://www.ugpti.org/resources/reports/details.php?id=777

2013 Mitra, S., **Lee, E.***, DeHaan, C., Kayabas, P., & Itani, M. (December 2013). Integrating Supply Chain
Models in Urban Freight Planning. Mountain-Plains Consortium: MPC-13-259, Fargo, ND, United States.
http://www.ugpti.org/resources/reports/details.php?id=765

2013 **Lee, E.,** Vachal, K.*, & Kayabas, P. (October 2013). Phase I: Positioning emergency medical services for
trauma response for rural traffic crashes: Pilot case of Williston Basin in North Dakota. North Dakota State
University, Upper Great Plains Transportation Institute: DP-270, Fargo, ND, United States.
http://www.ugpti.org/resources/reports/details.php?id=754

2013 Dybing, A.*, **Lee, E.,** DeHaan, C., & Dharmadhikari, N. (February 2013). Impacts to Montana state
highways due to Bakken Oil Development." Montana Department of Transportation (MT. Report No.
MT/FHWA-12-005/8219), Helena, MT, United States.
https://www.mdt.mt.gov/other/webdata/external/research/docs/research_proj/oil_boom/final_report.pdf

2011 Tolliver, D.*, **Lee, E**., Dybing, A., & Lu, P. (November 2011). Agricultural transportation in Lower Ohio
River Valley." Submitted to U.S. Army Corps of Engineers (confidential report).

Literary (Newspapers and Periodicals)

2024 Lee, E.S. (May 2024). 미 볼티모어 키스톤 교량 붕괴 사고와 공급망 위기 (in Korean). Korea Maritime
Institute, Busan, Korea. 글로벌 물류 현지시장 동향 (Vol. 47)

2013 The Need for Efficient Emergency Management in Rural Areas in S. Korea (농어촌 응급의료체계 구축
서둘러야). *The Kangwon-Ilbo* 5 Mar. 2013, Kangwon-do Print.

2011 Publishing a Manual for Unpredictable Natural Disasters (예측 불가능한 자연재해, 매뉴얼을 만들어라).
The Gangwond Domin Ilbo 16 Feb. 2011, Kangwon-do Print

2011 Suggestions for Effective Snow Plowing under Uncertain Conditions (원활한 제설작업을 위한 제안). *The
KyungNam Domin Ilbo* 15 Feb. 2011, Kyungsangnam-do Print

2011 Things to Consider about Convicting Pirates (해적 재판에 앞서 고려해야 할 것들). *The HanKyoReh* 29 Jan.
2011, Seoul Print

2010 Clouds of Air Cargo Terrorism in Yemen (예멘 발 항공화물 테러의 후폭풍). *SCM & Logistics* 15 Nov. 2010, Seoul Print

2010 North Dakota Chapter Rising from the Northern Great Plains, *Korean-American Scientists and Engineers Letters, 39*(1). June 2010, pp. 56

2010 Stay Young by Being Energetic, Creative & Having a Learning Attitude, *Korea-America Scientists and Engineers Letters 38*(3). October 2010, pp. 29-30

HONORS & AWARDS

2022 Sabbatical Leave (Fall Semester), New Jersey City University, Jersey City, NJ [merit-based]

2021 **Student Research Mentor of the Year**, the Standing Committee on Business & Economics Research Committee of the School of Business at New Jersey City University, Jersey City, NJ

2020 **Student Research Mentor of the Year**, the Standing Committee on Business & Economics Research Committee of the School of Business at New Jersey City University, Jersey City, NJ

2019 **Student Research Mentor of the Year**, the Standing Committee on Business & Economics Research Committee of the School of Business at New Jersey City University, Jersey City, NJ

2019 **Honorary Inductee**, Delta Mu Delta, the International Honor Society in Business: Zeta Gamma Chapter of New Jersey City University, Jersey City, NJ

2018 **Bright Idea Award**, New Jersey Policy Research Organization (NJPRO), East Orange, NJ

2017 **Teaching Excellence Award**, Accreditation Council for Business Schools and Programs (ACBSP), Anaheim, CA

2010 **Graduate Student Paper Award (1st Place)**, the Urban and Regional Information Systems Association (URISA), Orland, FL, USA

2010 **Graduate Student Best Paper Winner**, Geospatial Information Systems for Transportation (GIS-T) Symposium, Charleston, WV, USA

2010 **Graduate Student Scholarship**, Korean American Scientists and Engineers (KSEA), Seattle, WA

2009 **Inductee of the Tapestry of Diverse Talents**, North Dakota State University, Fargo, ND

2008 **Bison Leadership Award** in Culture, Commissioners of Student Activities, Student Government of North Dakota State University, Fargo, ND

2008 **Korean Honor Scholarship**, Embassy of the Republic of Korea in the United States of America, Washington D.C.

2007 **Google Earth−3D Campus Design Competition**, the final list, Google Inc.

ADVISEES/MENTEES

2023 Bisola Babalola, NJCU Summer Research Internship in STEM, Funded by the U.S. Department of Education (May 15 – July 29, 2022), Jersey City, NJ

2023 Devin Echavarria, Performance Evaluation of NJ Higher Education using DEA. **The 1st Place** of the NJCU School of Business Student Research Showcase (March 2023 – December 2023), Jersey City, NJ

2023 Juno Catral, NJCU DEFCon Fellowship – Student Research Assistant, Funded by Melon Foundation (March 1, 2023 – August 30, 2023), Jersey City, NJ

2023 Jin Jae Kim, INHA University's BK21 Winter Visiting Research Scholar (December 28, 2022 – March 3, 2023), Jersey City, NJ

2022 Sun Kyu Kim. INHA University's BK 21 Summer Research Abroad (July 3 – August 27, 2022), Jersey City, NJ

2022 Jin Myeong Jang. INHA University's BK21 Summer Research Abroad (July 3 – August 27, 2022), Jersey City, NJ

2022 Omer Khan. NJCU Summer Research Internship in STEM, funded by the U.S. Department of Education (May 15 – July 29, 2022), Jersey City, NJ

2022 Dhwani Shah, Lorianne-Marie Andrades, & Kiara Calderon. **Clinton Global Initiatives University (CGI U)**. Commitment: Connecting Jersey (Phase II)

2022 Natalia De La Fuente (April 7). **The Best Graduate Student Poster Presentation**. Northeast Decision Science Institute (NEDSI), Newark, NJ, United States.

2021 Anthony Picciano & Natalia De La Fuente (November 1-4, 2021). **Student Poster Presentation Competition**. Maritime Risk Symposium, Transportation Research Board, Virtual, United States.

2021 Alexandra Mack & Theo Bourghelle. **Clinton Global Initiatives University (CGI U)**. Commitment: Connecting Jersey (Phase I).

2021 Prathna Gupta, Dhwani Shah, and Priyam Shah won **2nd Place** in undergraduate research competition at the 2021 VIRTUAL Business Students Research Showcase at the NJCU School of Business, Jersey City, NJ.

2021 Twinkle Ketanbhai Gor, Dharti Divyeshbhai Nimavat, and Takshma Gandhi, **1st Place** in the undergraduate research competition at the 2021 VIRTUAL Business Students Research Showcase at the NJCU School of Business, Jersey City, NJ.

2021 Anthony Picciano and Natalia De La Fuente won the **1st Place** of Undergraduate Research Poster Presentation Award from the 2021 Northeast Decision Science Institute (NEDSI) on March 27, 2021.

2020 Natalia De La Fuente presented her research at the 2020 Virtual INFORMS Conference on November 7-9, 2020; received a student registration **scholarship**.

2020 Natalia De La Fuente and Anthony Picciano presented their research at the ACBSP Region 1 Student Showcase on October 29-30.

2020 Anthony Picciano and Natalia De La Fuente submitted a proposal to the Clinton-Global Initiative for University (CGI-U) OVID-19 Fund.

2020 Angelica Suarez, Maria Youssef, & Yaina Solorzano won **1st Place** in the undergraduate research competition at the 2020 VIRTUAL Business Students Research Showcase at the NJCU School of Business, Jersey City, NJ.

2020 Yong Sang Cho won **2nd Place** in undergraduate research competition at the 2020 VIRTUAL Business Students Research Showcase at the NJCU School of Business, Jersey City, NJ.

2019 Evelyn B. Anderson, Thy Bui, and Tanveer Kaur won the **Grand Prize** of Poster Presentation Award, the 2019 Spring Business Students Research Showcase at the NJCU School of Business, Jersey City, NJ.

2019 Nidhi Patel, Kirtan Patel, and Shuo Yang won **1st Place** of the Poster Presentation Award, the 2019 Spring Business Students Research Showcase at the NJCU School of Business, Jersey City, NJ.

2018 Hyeonjin Cho, Jiyoung Kim, and Minjung Kim won the **1st Place** of Poster Presentation Award, the 2018 Fall Business Students Research Showcase at the NJCU School of Business, Jersey City, NJ.

2018 Edward Valencia won the **2nd Place** Presentation Award, the 2018 Fall Business Student Research Showcase at the NJCU School of Business, Jersey City, NJ.

2018 Bio Luke, Miriam Martin won the **3rd Place** Presentation Award, the 2018 Fall Business Student Research Showcase at the NJCU School of Business, Jersey City, NJ.

2018 Kristina Mejias won the **3rd Place** Presentation Award, the 2018 Spring Business Student Research Showcase at the NJCU School of Business, Jersey City, NJ.

2018 Erika Gonzalez (Dr. EunSu Lee's advisee) received the **Best Poster Presentation** Award, the Northeast Decision Science Institute (NEDSI) Annual Meeting, Providence, RI.

2017 Hakeem Reynold (Dr. EunSu Lee's advisee) will receive the APICS Student Scholarship, APICS 2017 Supply Chain Conference, San Antonio, TX.

2017 Hakeem Reynolds (Dr. EunSu Lee's advisee) received the **Best Poster** Presentation Award, the Business Student Research Showcase, School of Business, NJCU, Jersey City, NJ.

2017 Erika Gonzalez (Dr. EunSu Lee's advisee) received the **1st Place** in Presentation Award, the Business Student Research Showcase, School of Business, NJCU, Jersey City, NJ.

2012 Nimish Dharmadhikari and Zijian Zheng (Dr. EunSu Lee's advisee) received the Graduate Student Paper Award (**2nd Place**), the Urban and Regional Information Systems Association (URISA), Portland, OR, USA.

2012 Vu Dang (Dr. EunSu Lee's advisee) received the Graduate Student Paper Award (**4th Place**), the Urban and Regional Information Systems Association (URISA), Portland, OR, USA.

FUNDS & GRANTS

Externally Funded Projects and Grants

2023 "Conducting Demand Surveys and Data Collection for Mitigating Korea-US Supply Chain Risks." Korea Maritime Institute, $7,700.00, July 1 – August 30, 2023 (Principal Investigator)

2023 Hosted "NJCU-KMI Joint Research Center for Supply Chain & Maritime Logistics (CSCML)," $1.0 million, February 2023. Jun 1, 2023 – May 30, 2028.

2020 Subscription grant, North American Business Press, $165.00, May 2020

2019 "Purchasing Disparity Study of Jersey City." Rutgers – City of Jersey City, $35,120.00, April 2019 – February 2020 (Sub-awardee: Co-Principal Investigator)

2019 "Good Practices – A Case Study of Ports of Los Angeles/Long Beach." Korea Maritime Institute (KMI), $10,000.00, January – March 2019 (Principal Investigator)

2015 "SHRP2 Education Connection: DTFH6115RA00004." Federal Highway Administration (FHWA), U.S. Department of Transportation, $10,000.00, July 2015 – August 2015 (Principal Investigator): *I received the award, but I accepted a new position in New Jersey and handed it over to an alternative PI.*

2015 "Agriculture Freight Data Improvement: SD2014-09." Funded by South Dakota Department of Transportation, Pierre, SD. $45,000.00 of $175,000.00 (Subcontracted with Cambridge Systematics Inc., February 2015 – August 2015. (Principal Investigator)

2014 "North Dakota Highway Needs Study." Funded by North Dakota Department of Transportation, Bismarck, ND. $123,017.00, 2014-2015. (Co-Principal Investigator)

2013 "Infrastructure Needs: North Dakota's County, Township, and Tribal Roads and Bridges: 2015-2034." Funded by North Dakota Legislature, Bismarck, ND. $1,250,000.00, July 2013 – June 2015. (Co-Principal Investigator)

2013 "Impacts to Montana State Highways due to Bakken Oil Development," Funded by Montana Department of Transportation, Helena, MT. $110,000.00, May 2012 – February 2013. (Completed in February 2013: Principal Researcher)

2013 "Grain Flow GIS Prototype Model," Funded by *U.S. Army Corps of Engineers*. $75,000.00, September 2012. (Completed in November 2013: Co-Principal Investigator)

2013 SHRP 2 Symposium, A Transportation Research Board, Herndon, Virginia, USA. $900.00, October 2013.

2012 "Location-Routing Problem for Regional Beer Distribution," Funded by Bergseth, Inc. $15,000.00, August 2011 – August 2012. (Completed in August 2012: Principal Researcher)

2012 "U.S. Maritime Regulations and Practices to Develop Intermodal Terminal and Transshipment Facilities." Funded by Korea Maritime Institute, Korea. $1,500.00, May-July 2012. (Completed in July 2012: Principal Investigator)

2011 "An Assessment of County and Local Road Infrastructure Needs in North Dakota" Funded by North Dakota Legislature, Bismarck, ND. $350,000.00, January 2011 – September 2013. (Co-Principal Investigator)

Internally Funded Projects and Grants

2023 "Weathering the Storm: An Efficiency Analysis Amidst New Jersey Universities' Crisis," Travel Grant, Center for Teaching and Learning, National Science Foundation (NSF) IUSE grant DUE-2142330, $7,050, November 11-13, 2023.

2023 "Digital Supply Chain of Pharmaceutical Products and Services," 2023 Summer Research Internships in STEM, U.S. Education Department Developing Hispanic-Institutions, $3,000.00, May 22, 2023 – July 27, 2023.

2023 "Digitizing Historical Jersey City," 2023 Digital Ethnic Futures Consortium (DEFCon) at NJCU, the Andrew W. Mellon Foundation, $5,000+, January 18 – May 15, 2023.

2022 "NJCU GIS Workshop," Support from the NJCU Mellon Grant. $200.00, April 5, 2022

2022 "Summer Research Internship Mentor Program," Support from U.S. Education Department Hispanic-Servicing Institutions – STEM. $2,000.00, May 23, 2022 – July 28, 2022.

2022 "NJCU Mini-Grant," Support from the Provost's Office. $245.00, May 24, 2022

2021 "NJCU GIS Day," Support from the NJCU School of Business Dean's Office. $100.00, November 7, 2021

2021 "NJCU GIS Day," Support from the NJCU Provost's Office. $500.00, November 7, 2021.

2020 "Student Travel Grant for Northeast Decision Science Institute (NEDSI) 2020 Annual Meeting in Boston, MA," Support from the New Jersey City University School of Business. $1,140.00, March 26-28th, 2020 (Mentor): *I secured the fund for two students, but the conference was canceled due to COVID-19.*

2019 "Spatial Analysis of Ambulance Service Coverage in Hudson County, NJ," Awarded for Separately Budgeted Research (SBR) from the Provost's Office of NJCU. $4250.00, September 3, 2019 – August 31, 2020.

2018 "Routing and scheduling of street sweeping in Jersey City," Awarded for Separately Budgeted Research (SBR) from the Provost's Office of NJCU. $4,500, September 4, 2018 – August 31, 2019.

2017 "Port Choice and Competition for U.S. Imported Commodities," Awarded for Separately Budgeted Research (SBR) from the Provost's Office of NJCU. $4,080, September 5, 2017 – August 30, 2018.

2016 "Student Travel Grant for INFORMS Annual Meeting in Nashville, TN," Support from the New Jersey City University School of Business. $1,500, November 13-16, 2016. *I secured the fund to cover student's registration and travel expenses.*

2014 "Application of a Multi-Agent System with the Large-Scale Agent-Based Model for Freight Demand Modeling," Awarded from the Mountain Plains Consortium. $64,249.00, September 30, 2013-September 30, 2017. (Granted: MPC-458 & DTRT13-G-UTC38: Principal Investigator)

2013 "Building a Sustainable GIS Framework for Supporting Tribal Transportation Program," Submitted to Mountain-Plains Consortium. $73,000.00, January 2013 - August 2015. (Granted: MPC-425 & DTRT12-G-UTC08: Principal Investigator)

2013 "Effectiveness of Advisory Letters in Preventing At-Risk Teen Driver Crashes: Pilot Project," Submitted to Mountain Plains Consortium. $97,000.00, January 1, 2013 - December 31, 2013. (Granted: MPC368&DTRT12-G-UTC08: Co-Principal Investigator)

2012 "Comprehensive GIS-Based Rural Regional Transportation Planning Models," Submitted to Mountain Plains Consortium. $75,000.00, January 2012-December 2012. (Granted: MPC-387 & DTRT12-G-UTC08: Co-Principal Investigator)

2010 North American Freight Flows Conference, Irvine, CA, USA; Association of Transportation and Logistics, Funded by North Dakota State University – Student Government. $1,500.00, September 2010.

PRESENTATIONS († Presenter)

National and International Meetings

2024 Supply Chain External Risk Assessment on the Korean Electric Vehicle Battery's Manufacturers in the United States from the Perspective of Container Logistics – Lectern Session (Eunsoo Kim, EunSu Lee†, & Sung Woo Lee), Standing Committee on International Trade and Transportation (AT020), Transportation Research Board 2024 Annual Meeting (In-Person), Washington D.C., United States, January 7 – 10, 2024. **Invited**

2024 Impact of Climate Change on Maritime Shipping Performance in the Panama Canal – Lectern Session (EunSu Lee†, Eunsoo Kim, Bokyung Kim†, Moonsoo Park, & Jinsol Lee), Standing Committee on International Trade and Transportation (AT020), Transportation Research Board 2024 Annual Meeting (In-Person), Washington D.C., United States, January 7 – 10, 2024. **Invited**

2023 Drill-down Approach for Enhancing Organizational Strategy through a Two-Stage Data Envelopment Analysis – Lectern Presentation (EunSu Lee†, Devin Echavarria, & Ruth Ortiz†), Decision Science Institute 2023 Annual Meeting (In-Person), Atlanta, GA, United States, November 17 – 20, 2023. **Invited**

2023 Unifying model of conjoint analysis and MCDM : Focused on Music Streaming Services: 115-0924 - Lectern Presentation (Sangwon Eum[†], Hosun Rhim, Jeunghyun Kim; EunSu Lee, & Jili Xu), 33rd Annual Production & Operations Management Society (POMS) Conference (In-Person), Orlando, Florida, United States, May 25, 2023. **Peer-reviewed**

2022 Policy and Regulation for Supporting the Smart Port 4.0: A Case Study of the U.S., Korea Operations Research & Management Science (KORMS) Fall Meeting [BOR Session], Hanyang University, Seoul, Korea, October 27, 2022. **Invited**

2022 Mobilization of Healthy Foods to Urban Food Desserts – Poster Presentation (Natalia De La Fuente, Anthony Picciano, EunSu Lee[†]), the Transportation Research Board Annual Meeting, Washington D.C., United States, January 9 - 13, 2022. **Peer-reviewed**

2021 Designing community-engaged learning using Public OR. INFORMS 2021 Annual Meeting (Virtual), Anaheim, CA, United States. October 23-27, 2021. **Invited**

2021 Designing community-engaged learning using Public OR. INFORMS 2021 Annual Meeting (In Person), Anaheim, CA, United States. October 23-27, 2021. **Invited**

2021 Digitalization and Automation of Ports and Terminals: Policy and Regulation Perspectives. the Virtual Sixth Biennial Marine Transportation System Research and Development Conference: Automation and autonomous technologies trends, applications, and challenges, Washington D.C., March 15 – 19, 2021. **Invited**

2020 Spatial Key Performance Indicators on the Statewide Ambulance Coverage of a Mixed Urban, Rural, and Frontier Region. The Virtual KORMS Fall Conference, Seoul, Korea, October 30, 2020. **Invited**

2020 Lessons Learned from Mask Production In Korea Under Covid-19. the Virtual INFORMS Annual Meeting, November 7 – 13, 2020. **Invited**

2020 Empirical Study on Factors affecting the Vessel Turnaround Time in Container Transshipment Terminals in the Global Ports" – Virtual Presentation (Kim, Geunsub[†], Moon, Sang, Lee, Eunsu, Park, Judong, Kang, Moohong), the International Association of Maritime Economists (IAME) Annual Conference on Sustainable Development of Shipping and Trade", Hong Kong, HK, June10-13, 2020. **Peer-reviewed**

2020 Teaching Transportation Management Online" – Lectern Presentation (Amit Mokashi, EunSu Lee[†], Natalia De La Fuente, and Anthony Picciano), the Transportation Research Forum, Jersey City, NJ, March 12-13, 2020 (canceled due to COVID-19) **Peer-reviewed**

2020 Changes in Import Volumes for Small Ports in the United States after the Panama Canal Expansion," – Poster Presentation (20-04879) (Jorge Medina, Jong-ho Kim, EunSu Lee[†]), the Transportation Research Board 99th Annual Meeting, Washington D.C., USA (January 12 - 16, 2020) **Peer-reviewed**

2020 Strategic Port Management by Consolidating Container Terminals," – Lectern Presentation (GuenSub Kim, EunSu Lee[†] & Bokyung Kim), the Transportation Research Board 99th Annual Meeting, Washington D.C., USA (January 12 - 16, 2020) **Peer-reviewed**

2019 Shuttle Bus Solution to Keep the City Moving," – Poster Presentation (Evelyn Anderson, Thy Bui, & E. Lee[†]), the INFORMS 2019 Annual Meeting, Seattle, WA, USA (October 20-23, 2019) **Contributed**

2019 Spatial Modeling for Backup Service Coverage of Rural Emergency Medical Service," – Lectern Presentation (E. Lee[†] & Melanie McDonald), the INFORMS 2019 Annual Meeting, Seattle, WA, USA (October 20-23, 2019) **Invited**

2019 Port-time Decision Factors in the Transshipment Container Port: A Case Study of the Port of Busan, Korea," Lectern Presentation (Geun Sub Kim[†], EunSu Lee[†], Sang Young Moon[†]), the 60th Transportation Research Forum, Washington D.C., USA (May 2-3, 2019) **Invited**

2019 The Effect of the Panama Canal Expansion on U.S. Inbound Throughput: An Empirical Analysis," – Poster Presentation (Jorge Medina[†], Jongho Kim[†] & E. Lee[†]), Transportation Research Board 98th Annual Meeting, Washington D.C., USA (January 13-17, 2019) **Invited**

2018 Civic Engagement & Community Operational Research: a Case Study of Street Sweeping in Jersey City, NJ," – Lectern Presentation (E. Lee[†] & Yi-Yu. Chen), the 2018 INFORMS Annual Meeting, Phoenix, AZ, USA (November 7-9, 2018) **Invited**

2018 Strategic Transportation and Logistics Management for Importing Crude Oil to Produce Asphalt and Road Oil in the United States," (18-00072) – Poster Presentation (Raj Bridgelall[†] and Michael Bell[†,] & E. Lee[†]), Transportation Research Board 97th Annual Meeting, Washington D.C., USA (January 7-11, 2018) **Peer Reviewed**

2018 Micro-simulation Approach to Rural Freight Movement Modeling," (18-00085) – Poster Presentation (Ali Rahim-Taleqani[†] E. Lee[†], & J. Hough), Transportation Research Board 97th Annual Meeting, Washington D.C., USA (January 7-11, 2018) **Peer Reviewed**

2018 Integrating GIS with Optimization Method for a Switchgrass-based Bioethanol Supply Chain," (18-03559) – Lectern Presentation (Seyed Ali Esmaeili[†], Ahmad Sobhani, Amin Keramati E. Lee), Transportation Research Board 97th Annual Meeting, Washington D.C., USA (January 7-11, 2018) **Peer Reviewed**

2017 Five Elements of Importing Asphalt Feedstock," the 48th Decision Science Institute Annual Meeting, Washington D.C., USA (November 18-20, 2017)

2017 Vehicle Routing Problem for Smart Street Sweeping using GIS," the 2017 INFORMS Annual Meeting, Houston, TX, USA (October 22, 2017) **Invited**

2017 Implementing an Interdisciplinary Business Analytics and Data Science Program at an Urban University (co-authored with J.D. Jayaraman[†])," the 2017 INFORMS Annual Meeting, Houston, TX, USA (October 23, 2017) **Invited**

2017 GIS-Based Centralized Visualization Tool to Maintain and Operate Local Road Networks," the 8th International Visualization in Transportation Symposium: Visualization in Action, Washington D.C., USA (July 27-28, 2017) **Invited**

2017 Revamping Tribal Road Networks from Various Sources and Improving Quality," (17-05560) – C164, Transportation Research Board 96th Annual Meeting, Washington D.C., USA (January 8-12, 2017) **Peer Reviewed**

2016 Clearing Roads and Collecting Debris by Integrating Remote Sensing Technique and VRP," INFORMS 2016 Annual Meeting, Nashville, Tennessee, USA (November 12-16, 2015) **Invited**

2016 Spatial Optimization for Designing Public Water Supply Systems," INFORMS 2016 Annual Meeting, Nashville, Tennessee, USA (November 12-16, 2015) **Invited**

2016 Statewide Freight Demand Modeling for Multiple Activities," CITILABS International User Conference: FUTURA 2016, Palm Spring, CA, USA (October 23-26, 2016) **Invited**

2016 Optimization in Transportation Planning: Assigning Trips on Routes," 2016 INFORMS Optimization Society Conference, Princeton, NJ, USA (March 17-19, 2016)

2016 Resolution Agile Remote Sensing for Hazardous Material Spill (with Bridgelall, R[†]. Rafert, J.B., Tolliver, D.)," Transportation Research Board 95th Annual Meeting, Washington D.C., USA (January 1-14, 2016) **Peer Reviewed**

2015 An Agent-based Modeling for Remotely Piloted Aircraft Package Delivery in Rural Area (with Ali Rahim Taleqani[†])," INFORMS 2015 Annual Meeting, Philadelphia, Pennsylvania, USA (November 1-4, 2015)

2015 Facility Location Problem Considering Time Window and Land Use Plan using GIS (with Alan Dybing and Sumadhur Shakya)," INFORMS 2015 Annual Meeting, Philadelphia, Pennsylvania, USA (November 1-4, 2015)

2015 Developing Interactive Map for Supporting County Roads Improvement and Transportation Planning (with Bradley Lantz [†])," Geospatial Information Systems for Transportation (GIS-T) Symposium, Des Moines, Iowa, USA (April 19-22, 2015)

2015 Eco-Efficiency of U.S. Container Ports Using Data Envelop Analysis (DEA) (with N. Muhammad Aslaam Mohamed Abdul Ghani [†], Yong Shin Park)," Transportation Research Forum Annual Meeting, Atlanta, Georgia, USA (March 11-13, 2015)

2015   Airport Congestion Mitigation: A Multimodal Approach (with Annexstad, Jared [†]),” Transportation Research Forum Annual Meeting, Atlanta, Georgia, USA (March 11-13, 2015)

2015   Feedstock Import Options Regarding Transportation Systems for Asphalt Production (with Raj Bridgelall),” Transportation Research Forum Annual Meeting, Atlanta, Georgia, USA (March 11-13, 2015)

2015   Reshaping Tribal Road Network Using Public Information (with Jaesung Choi[†]),” Transportation Research Board 94th Annual Meeting, Washington D.C., USA (January 11-15, 2015) [Peer Reviewed]

2015   Context Sensitive Solutions: Case Study of Northwest Highway, White Rock Lake, Dallas, Texas (with Raj Bridgelall),” Transportation Research Board 94th Annual Meeting, Washington D.C., USA (January 11-15, 2015) [Peer Reviewed]

2014   Designing Service Coverage and Measuring Accessibility and Serviceability,” INFORMS Annual Meeting, San Francisco, California, USA (November 13-15, 2014)

2014   Yield Forecasting to Sustain the Agricultural Transportation under Stochastic Environment (with N. Dharmadhikari[†] and F. Kambiz),” 55th Annual Transportation Research Forum, San Jose, California, USA (March 13-15, 2014)

2014   Future Oil Production in North Dakota – Estimates Based on a Seasonal Autoregressive Integrated Moving Average (S-ARIMA) (with Jaesung Choi[†] and David Roberts),” 55th Annual Transportation Research Forum, San Jose, California, USA (March 13-15, 2014)

2014   An Investigation of Factors Influencing Port Choice Regarding Commodities and Foreign Trade Partners (with Wonjoo Cho),” 55th Annual Transportation Research Forum, San Jose, California, USA (March 13-15, 2014)

2014   Multimodal Transportation for Crude Oil Shipment in North Dakota,” 55th Annual Transportation Research Forum, San Jose, California, USA (March 13-15, 2014)

2013   Statewide Freight Demand Modeling to Support Long-Range Transportation Planning in North Dakota,” A Transportation Research Board SHRP 2 Symposium, Herndon, Virginia, USA (October 21-22, 2013) [Peer Reviewed]

2013   Where is the next drilling location?” GIS-Pro 2013: URISA's 51st Annual Conference for GIS Professionals, Providence, Rhode Island, USA (September 15-19, 2013)

2013   Connectivity and Equality: Consequence of Emergency Medical Services,” Geospatial Information Systems for Transportation Symposium and Administrative Subcommittee on Information Systems (ASIS) meeting, Boise, Idaho, USA (May 2013)

2013   Long Range Transportation Planning to Deal with Oil Production: Dynamic Oil Trip Generation,” Geospatial Information Systems for Transportation Symposium and Administrative Subcommittee on Information Systems (ASIS) meeting, Boise, Idaho, USA (May 2013)

2012   Integrating Supply Chain Network Model for Auto Industry in Midwest Using GIS,” (with Kazemi Yasaman[†]). The Institute for Operations Research and the Management Sciences (INFORMS) Annual Conference, Phoenix, Arizona, USA (October 2012)

2012   Impetus to Short Sea Shipping through Marine Highways,” Transportation Research Forum (TRF) Annual Conference, Tampa, Florida, USA (March 2012)

2011   Positioning Emergency Medical Services for Trauma Response for Rural Traffic Crashes,” (with Poyraz Kayabas[†]). The Institute for Operations Research and the Management Sciences (INFORMS) Annual Conference, Charlotte, North Carolina, USA (November 2011)

2011   Visualizing Path-Based Routes for Import Containerized Freights in U.S,” (with Kambiz Farahmand & Denver Tolliver). U.S.-Korea Conference (UKC-2011), Park City, Utah, USA (August 2011)

2011   Signal Detection Theory to Ascertain Driving Risk and Mitigation in a Flooded Urban Area,” (with Kambiz Farahmand & Peter G. Oduor). Institute of Industrial Engineering Annual (IIE) Conference, Reno, Nevada, USA (May 2011) [Peer Reviewed]

2011 Visualizing Path-Based Routes for Import Containerized Freights in U.S." (with Kambiz Farahmand & Denver Tolliver). Transportation Research Forum (TRF) Annual Conference, Long Beach, California, USA (April 2011)

2011 3-D Transportation Network in Flooded Region," GIS-T symposium 2011, Hershey, Pennsylvania, USA (April 2011)

2011 Agent-Based Model for Disruption of Intermodal Transportation" (with Nimish Dharmadhikari[†] & Jarrett Brachman). Transportation Research Forum Annual Conference, Long Beach, California, USA (March 2011)

2010 Simulation of Base Stock Inventory Management System Integrated with Transportation Strategies of a Logistic Network" (with Kambiz Farahmand). 2010 Winter Simulation Conference, Baltimore, Maryland, USA (December 2010) [Peer Reviewed]

2010 Spatial Decompositions for Gravity and Shortest Path for Set covering for Measuring Potential Accessibility to Emergency Service," URISA's 48th Annual conference for GIS Professionals, Orlando, Florida, USA (September 2010) [Peer Reviewed]

2010 Decomposing the Customer Preference in Information Systems by Using Conjoint Analysis," Korean-American Scientists and Engineers (KSEA) – Young Generation and Professional Forum (YGPF), Seattle, Washington, USA (August 2010)

2010 Visualizing Transportation Network in 3D from LiDAR Data Using Geographic Information Systems," (with Haram Kim) Korean-American Scientists and Engineers (KSEA) – Young Generation and Professional Forum (YGPF), Seattle, Washington, USA (August 2010)

2010 Estimating Trip Diversion by using Impedance in Flood Regions," American Association of State Highways and Transportation Officials (AASHTO): Geospatial Information Systems for Transportation (GIS-T) Symposium, Charleston, West Virginia, USA (April 2010)

2009 Simulation-Based Route Selection for Dispatching a Snow Removal Fleet," The Institute for Operations Research and the Management Sciences (INFORMS) Annual Conference, San Diego, California, USA (October 2009)

2009 Analyzing Freight Data between the Borders in North America" (with Christopher DeHaan[†] & Kambiz Farahmand). Transportation Research Board (TRB): North American Freight Analysis Conference, Irvine, California, USA (September 2009)

2009 North American Freight Analysis: Incorporating Logistical Impedance," (with Kambiz Farahmand & Christopher DeHaan). Transportation Research Board (TRB): North American Freight Analysis Conference, Irvine, California, USA (September 2009)

2009 Considering Impedance for Intermodal Freight Transportation," (with Kambiz Farahmand). Institute of Industrial Engineering (IIE) Annual Conference, Miami, Florida, USA (May 2009) [Peer Reviewed]

2009 Location Problem for Intermodal Terminal in North Dakota," (with Kambiz Farahmand). Transportation Research Forum (TRF) 50th Annual Conference, Portland, Oregon, USA (March 2009)

2008 Investigation of Productivity and Efficiency by Simulation Technique" (with Kambiz Farahmand). Institute of Industrial Engineering (IIE) Annual Conference, Vancouver, British Columbia, Canada (May 2008)

2008 Impact of Demand Variability of Supply Chain Performance," (with Kambiz Farahmand). Institute of Industrial Engineering (IIE) Annual Conference, Vancouver, British Columbia, Canada (May 2008) [Peer Reviewed]

State and Regional Meetings

2023 Using GIS and Network Modeling for Hay Export– Lectern Presentation (EunSu Lee[†]), 552nd Northeast Decision Science Institute (NEDSI) Annual Meeting, March 31 – April 1, 2023. [Peer-reviewed]

2022 Analyzing the Impact of Vessel Size and Investment into a Port – Lectern Presentation (EunSu Lee[†]), the Northeast Decision Science Institute (NEDSI), April 7-9, 2022. [Peer-reviewed]

2021   Livestock Feedstock Sourcing and Transportation Management – Virtual Presentation (EunSu Lee), the Northeast Decision Science Institute (NEDSI), Virtual, March 26-27, 2021. **Peer-reviewed**

2020   Livestock Feedstock Sourcing and Transportation Planning – Lectern Presentation (EunSu Lee[†]), the Northeast Decision Science Institute (NEDSI), Cambridge, MA, March 26-28, 2020 (canceled due to COVID-19) **Peer-reviewed**

2020   Spatiotemporal Urban Ambulance Pre-Assignment Problem – Lectern Presentation (Natalia De La Fuente[†], Lee, E. [†], & Melanie McDonald), the Northeast Decision Science Institute (NEDSI), Cambridge, MA, March 26-28, 2020 (canceled due to COVID-19) **Peer-reviewed**

2019   SWOT Analysis of Online Supply Chain & Transportation Courses, – Lectern Presentation (Amit Mokashi[†] & EunSu Lee[†]), the Northeastern Council of Business Schools and Programs (ACBSP Region 1), Rochelle, NY (October 4-5, 2020) **Peer Reviewed**

2019   Innovative Spatial Modeling for Statewide EMS Coverage Plan, – Lectern Presentation (EunSu Lee[†)], the Northeast Decision Science Institute (NEDSI) Annual Conference, Philadelphia, PA (April 4-6, 2019) **Peer Reviewed**

2019   Changes in Import Volumes for Small Ports in the U.S. after the Panama Canal Expansion – Lectern Presentation (Jorge Medina[†], Jongho Kim, & EunSu Lee), the Northeast Decision Science Institute (NEDSI) Annual Conference, Philadelphia, PA (April 4-6, 2019) **Peer Reviewed**

2018   Civic Engagement and Social Entrepreneurs (EunSu Lee[†], Yi-Yu Chen) Presented at the Accredited College of Business & Program (ACBSP) Region 1 Annual Meeting, Jersey City, NJ **Peer Reviewed**

2018   A Study on Improving Student Engagement through Research Showcase Participation (with Michael Bell, J.D.) Presented at the Accredited College of Business & Program (ACBSP) Region 1 Annual Meeting, Jersey City, NJ **Peer Reviewed**

2018   Floor-Loaded or Palletization Problem," Paper session presented at the Northeast Decision Science Institute (NEDSI), Providence, RI **Peer Reviewed**

2017   Site Selection of Air and Spaceport for Space Tourism Using Multi-Criteria Approach," (with Ibokd, K.). Paper session presented at the meeting of the Northeast Decision Science Institute, Springfield, MA. (March 22-25, 2017) **Peer Reviewed**

2016   Career Path in Supply Chain Management and Transportation," (with Dr. Amit Mokashi) Association Council for Business Schools and Programs (ACBSP) Region 1 Fall Conference, New York, NY, USA (October 14 & 15, 2016)

2013   Development of GIS Multimodal Capacity Model for Northern Tier Freight Corridor," (with Subhro Mitra, & Zijian Zheng[†]). North Dakota GIS Users Conference 2013, Grand Forks, North Dakota, USA (September 10-12, 2013)

2012   GIS Modeling of County and Local Roads to Support Agricultural Transportation," (with Denver Tolliver, Alan Dybing, & Pan Lu). Minnesota GIS/LIS Consortium Annual Conference, St. Cloud, Minnesota, USA (October 2012)

2011   Location Optimality for Ambulance in North Dakota," (with Poyraz Kayabas[†]). North Dakota GIS Users Conference 2011, Grand Forks, North Dakota, USA (October 2011).

2011   Winter Road Maintenance Using GIS," (with Poyraz Kayabas[†]). North Dakota GIS Users Conference 2011, Grand Forks, North Dakota, USA (October 2011)

2011   Overcoming Computational Performance Constraints of Agricultural Transportation Planning in GIS," (with Nimish Dharmadhikari[†]). North Dakota GIS Users Conference 2011, Grand Forks, North Dakota, USA (October 2011)

2011   Dynamic Algorithm for Geospatial Analysis to Predict Feasible Freight Routes," (with Denver Tolliver, Peter G. Oduor, & Kambiz Farahmand). North Dakota GIS Users Conference 2011, Grand Forks, North Dakota, USA (October 2011)

2010   Using Digital Elevation Model for Route Choice under Natural Disaster," Graduate Research and Art Forum, North Dakota State University, Fargo, North Dakota, USA (April 2010).

2010   Using Digital Elevation Model for Route Choice under Natural Disaster," Korean American Science and Engineer Association (KSEA): the Midwest Regional Conference, Iowa City, Iowa, USA (March 2010)

CAMPUS OR DEPARTMENTAL TALKS

2024   *Innovative Knowledge Management using GIS in the era of AI*, Division of Convergence Talent Development on Artificial Intelligence and Intellectual Property, Korea University, Seoul, Korea (June 25, 2024).

2021   *GIS for Business and Transportation.* GIS Day, New Jersey City University, Jersey City, NJ, United States. (November 17, 2021).

2021   *Predicting Oil Production Sites for Planning Road Infrastructure: Trip Generation Using SIR Epidemic Model* [Gothic Research Seminar Series]. The School of Business at New Jersey City University, Jersey City, NJ, United States. (April 16, 2021).

2021   *Supply Chain Analytics*. Guest Lecture, University of De La America in Pueblo (UDLAP) in Mexico. (March 11, 2021).

2021   *3PL and 4PL*. International Logistics Investment Analysis and Support Center, Korea Maritime Institute, Busan, Korea. (January 19, 2021).

2014   *Statewide Freight Demand Modeling: Multimodal Perspective for Oil Development*. Guest Speaker in IME 472 Seminar Series, Department of Industrial & Manufacturing Engineering, North Dakota State University, Fargo, ND, United States. (April 4, 2014).

2011   *Transportation for Globalized and Multicultural Society*. Guest Speaker in the World I View Series, Equity and Diversity, North Dakota State University, Fargo, ND, United States. (March 24, 2011).

2008   *Application and Modeling for Simulation using Pro-Model®*. Guest Lecture in IME 472/672 (Simulation of Business and Industrial Systems), Department of Industrial and Manufacturing Engineering, North Dakota State University, Fargo, ND, United States. (April 2008).

2007   *Discrete-Event Simulation for Inventory Analysis*. Guest Lecture in IME 790 (Graduate Seminar), Department of Industrial and Manufacturing Engineering, North Dakota State University, Fargo, ND, United States. (March 2007).

ORGANIZING/CHAIRING/MODERATING SESSIONS AND PANELS

2024   Moderator: Global Supply Chain Risk Management – Cybersecurity, Geopolitics, ESG, and Finance, the National Information Strategic Center, National Assembly Library, Seoul, Korea (June 25, 2024)

2024   Track Chair: Big Data and Business Analytics, Northeast Decision Science Institute, Cambridge, MA (April 4-6, 2024)

2023   Session Chair: SERVICE SYSTEMS and OPERATIONS: Productivity and Knowledge Transfer, Decision Science Institute Annual Meeting, Atlanta, GA, United States (November 20, 2023).

2023   Panel Chair: Creating Pathways to Excellence: Student Projects and Partnerships for Learning Success. Professional Development Institute, New Jersey City University, Jersey City, NJ (August 31, 2023)

2023   Track Chair: Big Data, Analytics and Knowledge Management. NEDSI 2023 Annual Meeting, Washington D.C., United States (March 30 – April 1, 2023).

2022   Track Chair: Legal, Ethical, and Social Issues. NEDSI 2022 Annual Meeting, Newark, NJ, United States (April 7-9, 2022).

2022   Session Chair: Learning & Practicing Ethics and Business Law, NEDSI 2022 Annual Meeting, Newark, NJ, United States (April 7-9, 2022).

2021 Session Organizer & Chair: PSOR TE06, In Person: Community-Based Operations Research, the INFORMS Annual Meeting, Anaheim, CA, United States. (October 26, 2021).

2021 Session Organizer & Chair: PSOR VMB54, Virtual: Community-Based Operations Research, the INFORMS Annual Meeting, Anaheim, CA, United States. (October 25, 2021).

2020 Session Organizer: PSOR TC01. Community Systems Analytics - Supply Chain, Smart City, Healthcare (Public Sector OR), the Virtual INFORMS Annual Meeting. November 7-13, 2020.

2019 Session Organizer: MC50 - Spatial Analysis in Transportation and Logistics, the INFORMS Annual Meeting, Seattle, WA. October 21, 2019

2017 Session Organizer: MB58. Spatial Analysis in Transportation and Logistics (Transportation and Logistics Society), the INFORMS Annual Meeting, Houston, TX. October 22, 2017.

2016 Session Organizer: SC59. Spatial Analysis in Transportation & Logistics (Transportation and Logistics Society), the INFORMS Annual Meeting, Nashville, TN. November 13, 2016.

2015 Session Organizer: SA68. Geospatial Analysis in Transportation and Logistics (Transportation and Logistics Society), the INFORMS Annual Meeting, Philadelphia, PA. November 1, 2015.

WORKSHOPS

2017 *GIS for tribal transportation and land use*. Tribal Leaders and Trade, Bismarck, ND, USA. (September 5-8, 2017). The number of attendees: 7.

2017 *Leading discussions with lightning talk*. CXC at New Jersey City University, Jersey City, NJ, USA. (May 3, 2017). The number of attendees: 15.

2016 *Informal assignment - A movie in class*. CXC at New Jersey City University, Jersey City, NJ, USA. The number of Attendees: 15.

CONSULTING ACTIVITIES

2025 Curriculum Development of Logistics Program. Bergen Community College, Paramus, NJ (June 18, 2025; 20 hours).

2021 *Review of the 1PL, 2PL, 3PL, and 4PL in the U.S. transportation and supply chain market*. Korea Maritime Institute (KMI), Busan, Korea (January 11, 2021).

2019 *Transportation/Logistics/Distribution (TLD) middle-skill program*. The NJCU **Logistics Center**, Jersey City, NJ, United States. (February 6 & 13, 2019; 12 hours in total).

2016 *Case Study on the Regeneration of the Brooklyn Naval Works for Urban Regeneration*. Korea Maritime Institute (KMI), Busan, Korea.

SERVICE TO PROFESSION

Note: SCI – Science Citation Index, ESCI – Emerging Sources Citation Index, SCIE: Science Citation Index, SSCI – Social Science Citation Index, DOAJ – Directory of Open Access Journal

Editorial Board

Editorial Review Board (Area: Operations and Supply Chain), Journal of Managerial Issues (2024 - Present)

Editorial Board Member, Universal Journal of Operations and Management (UJOM), Universal Wiser Publisher, Open Access (2021-2025)

Chief-in-Guest Editors, Special Issue on Greenways and Sustainable Urban Mobility Systems, *Systems* – **SSCI and Scopus** (2024).

Chief-in-Guest Editors, Special Issue on Visualization in Transportation, *International Journal of Transportation* - **ESCI** (2017).

Chief-in-Guest Editors, Special Issue on Information Systems and Technology in Logistics and Urban Freight Management, *Logistics*, MDPI (2020-2021)

Chief-in-Guest Editors, Special Issue on Infrastructure Financing, *Infrastructures*, MDPI (2021-2022)

Journal Manuscript Review Work: Internal Reviewer (Review Board / Committee)

Transportation Research Record: Journal of Transportation Research Board - **SCI** (2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020): Single Blind Review

Sustainability – **SCIE/SSCI /Scopus** (2016, 2017, 2018): Single Blind Review

Journal of Marine Science and Engineering – **SCIE/Inspec/Scopus** (2020): Single Blind Review

Journal Manuscript Review Work: External Reviewer

Journal of Business Logistics – **SCI** (2015, 2016): Double Blind Review

International Journal of Geographic Information Sciences - **SCI** (2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020): Double Blind Review

Management Research Review - **ESCI** (2012, 2013, 2014, 2018, 2019, 2020): Double Blind Review

Maritime Policy & Management - **SSCI** (2012): Double Blind Review

SAGE Open – **ESCI/DOAJ/SCOPUS** (2013): Double Blind Review

Journal of Transportation Technologies (JTTS) (2014): Double Blind Review

Journal of Civil Engineering and Architecture Research (2014, 2015): Double Blind Review

Journal of Social Science (2015): Double Blind Review

Transactions in GIS – **PubMed** (2016, 2017): Double Blind Review

Geographical Analysis - **ESCI** (2017): Double Blind Review

Cogent Business and Management (2018): Double Blind Review

Maritime Transportation Research (2020): Double Blind Review

Service as Textbook/Dissertation Reviewer

2024   Chopra, Sunil. *Supply Chain Management: Strategy, Planning, and Operation*, 7th edition, Pearson: New Jersey, United States

2021   Hussnain, Muhammad Qadeer. *Scenario planning and support systems for spatial planning of growing cities.* Ph.D. Dissertation, National University of Sciences and Technology: Islamabad, Pakistan.

2020   Cachon, G. & Terwiesch, C., *Operations Management, 2ⁿᵈ Edition*, McGraw Hill: New Jersey, United States.

2018   Bowersox, J.D., Closs, J.D., Cooper, M.B., & Bowersox, C.J., *Supply Chain Logistics Management, 5ᵗʰ Edition*, McGraw-Hill: New Jersey, United States.

Service as Grant/Project Reviewer and Panelist

2022 – 2024 **Appointed panelist** of NCHRP (**National Cooperative Highway Research Program**) Project: 23-17. Authorized by Congress, sponsored by the Federal Highway Administration (FHWA) and American Association of State Highways and Transportation Officials (AASHTO), and managed by the Transportation Research Board (TRB). (8/31/2022 – 5/30/2025)

2020 – 2023 **Appointed panelist,** ACRP (**Aviation Cooperative Research Program**) Project: 03-62. Authorized by Congress, sponsored by the Federal Aviation Administration, and managed by the Transportation Research Board (TRB). (11/8/2020 – 2024)

2015   **Grant proposal reviewer,** Small Business Innovation Research Program (SBIR): U.S. Department of Agriculture – National Institute of Food and Agriculture (NIFA), Washington D.C., United States.

Service as Certificate Grading Judge

2018 – 2019 Certificate of Supply Chain (SC) Pro Level II, **Council of Supply Chain Management Professionals** (CSCMP), IL, United States.

Ad-Hoc Peer Review

Management Review: International Journal (2015)

Decision Science Institute – Annual Conference (2010, 2017, 2023)

Institute of Industrial Engineering (IIE) Annual Conference (2008, 2009)

International Conference on Operations Excellence and Service Engineering (2015)

Northeast Decision Science Institute – Annual Meeting (2018, 2019, 2020, 2021, 2022, 2023, 2024)

Significant Leadership of Professional Organizations

2024 – 2025 Chair of the **Subcommittee on Port Performance** AW010(3) of the Standing Committee on Ports and Channels AW010, Transportation Research Board, a division of the National Research Council (NRC), Washington D.C., United States (3/18/2024 – 04/14/2025)

2024 – 2025 Appointed member of the **Standing Committee on Ports and Channels** AW010, Transportation Research Board, a division of the National Research Council (NRC), Washington D.C., United States (3/18/2024 – 04/14/2025)

2023 – 2025 Appointed member of the **Standing Committee on Long-Range Planning (LRPC)**, Korea-American Scientists and Engineers Association (KSEA), Arlington, VA, United States

2022 – 2026 Appointed Member of the **Standing Committee on Community Resources and Impacts** (AME80), Transportation Research Board, a division of the National Research Council (NRC), Washington D.C., United States (07/08/2022 – **04/14/2026**)

2022 – 2023 Appointed **Member** of the **K-12 Subcommittee**, the Education and Outreach Committee (EOC) of INFORMS, Maryland, United States. (5/1/2022 – 4/30/2023).

2021 – 2023 **Council Member**, the **Peaceful Unification of Advisory Council**, the Republic of Korea. (Appointed by the President, Moon Jae In). (09/01/2021 – 08/31/2023).

2021 – 2025 **Vice President of Technology**, the Northeast Decision Science Institute (NEDSI), United States. (April 2021 – March 2025)

2016 – 2025 Appointed **Member** of the Standing Committee on **Agricultural and Food Transportation** (AT030), Transportation Research Board, a division of the National Research Council (NRC), Washington D.C., United States. (4/15/2016 – 4/10/2024)

2013 – 2022 Appointed Member of the Standing Committee on **Visualization in Transportation** (ABJ95), Transportation Research Board, a division of the National Research Council (NRC), Washington D.C., United States. (04/15/2013 - 04/14/2022)

2019 – 2021 **Co-chair** of the K-12 Subcommittee, the Education and Outreach Committee (EOC) of INFORMS, Maryland, United States. (7/17/2019 – 12/31/2021).

2019 – 2021 **Chair** of the GIS-T Student Paper Competition, a planning steering committee, the **GIS-T Symposium** hosted by American Association of State Highway and Transportation Organization (AASHTO), Washington D.C., United States. (June 2019 – May 2021).

2019 – 2020 **Conference Steering Committee,** the Transportation Research Forum 61st Annual Meeting, Jersey City, NJ, United States.

2013 – 2018 Student Paper Contest Juror, **GIS-T Symposium** hosted by American Association of State Highway and Transportation Organization (AASHTO), Washington D.C., United States.

2016 – 2017 Symposium Steering Committee (Standing Committee on Visualization in Transportation, Transportation Research Board), the 8th International Symposium on Visualization in Action

2014 – 2015 **Co-Chair** of the **North Dakota GIS Users Annual Meeting** (September 28-29, 2015)

2019 – 2023 Member of the Subcommittee on **Port Digitalization** (AW010-2)

2014 – 2021 Member of the Subcommittee on **Statewide Travel Demand Forecasting** (ADA10-2)