

Dohyung (Do) Kim, Ph.D.

Professor
Department of Urban and Regional Planning
California State Polytechnic University, Pomona
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Areas of Interest

Sustainable Transportation; Active Transportation; Land Use and Transportation Relationship; Active Living; GIS Application in Planning; Geo-spatial Visualization and Simulation; Quantitative Research Method; Spatial Statistics; Big Data and Data Analytics

Education

- 2001-2005 University of Florida, Gainesville**
Ph.D. in Urban and Regional Planning
Dissertation: Three-dimensional Urban Simulation for Collaborative Urban Design
Dissertation Committee: Paul Zwick, Ilir Bejleri, Richard Schneider, and Michael Binford
- 1997-1999 University of Wisconsin, Madison**
MS in Urban and Regional Planning (Specialization: Land use planning)
- 1991-1993 Kyunghee University, Korea**
MS in Public Administration (Specialization: Urban policy)
- 1992 University of Texas, Austin**
Visiting student in LBJ School of Public Affairs
- 1987-1991 Kyunghee University, Korea**
BS in Public Administration

Academic Employment

- 2009 – Present California State Polytechnic University, Pomona**
Department of Urban and Regional Planning
Professor 2019 - present
Department Chair 2016 - 2020
Associate Professor 2014 - 2019
Graduate Program Coordinator 2013 - 2016
Assistant Professor 2009 - 2014

Undergraduate courses: Quantitative Research Methods / Introduction to GIS / Advanced GIS / GIS Studio / Local Transportation Planning / Travel Demand Modeling

Graduate courses: Quantitative Research Methods / Introduction to Graphic Communication and Physical Design Skills / Introductory and Intermediate GIS / Policy Analysis and Advanced Research Method / Thesis Research Preparation

- 2013 Kyunghee University, Korea**

Department of Public Administration
Visiting Scholar

2002-2006 University of Florida

Department of Urban and Regional Planning
(2005-2006) Research Coordinator/Instructor

Graduate course: Urban Visual Simulation

(2002–2005) Research Assistant/Teaching Assistant

Graduate courses: 3D Urban Simulation / Site Design / Community Design

1999 University of Wisconsin, Madison

Program on Agricultural Technology Studies
Research Assistant

Professional Employment

2006 – 2009 Renaissance Planning Group

Sr. Planner/Designer

2000 – 2001 Urban Data Solutions

GIS Associate

Research Grants

- 2020** PI Big Data Research: A Machine Learning Approach to Forecasting Infill Housing Development funded by Southern California Association of Governments (SCAG) (\$75,000)
- 2018** PI Analysis of Pedestrian Collisions at Mid-Blocks and Intersections funded by Southern California Association of Governments (SCAG) (\$48,000)
- 2017** PI The Application of Big Data in Urban and Regional Planning funded by Cal Poly Pomona Teacher-Scholar Model Research Fund (\$6,000)
- Co-PI Advanced Research on the Built Environment and Collisions funded by Southern California Association of Governments (SCAG) (\$24,500 out of \$49,800)
- 2016** PI Travel Behavior of Millennials in Southern California funded by Metro Gold Line Foothill Extension Construction Authority (\$20,000)
- Co-PI CalTran AICP Exam Preparation and Training funded by Leonard Transportation Center (\$7,500 out of \$76,800)
- PI Measuring Longitudinal Changes of Socio-Economic and Land Use around Transit Stations funded by Southern California Association of Governments (SCAG) (\$39,600)
- 2015** PI Environmental Justice Analysis for the City of Seoul funded by Seoul Institute (\$10,000)
- PI Advanced Research on Environmental Justice Analysis and Application with GIS funded by Southern California Association of Governments (SCAG) (\$39,800)
- 2014** PI Advanced Research on Land Use Scenario Planning and Growth Allocation funded by Southern California Association of Governments (SCAG) (\$31,883)
- 2013** PI The Development of Active Transportation Prediction Models for Metropolitan and Suburban Cities funded by Cal Poly Pomona President’s Research, Scholarship, and

- Creative Activity, (\$4,000)
- 2012** PI Impacts of Environment Conditions on Pedestrian and Bicycle Safety funded by Kellogg Foundation (\$1,000)
- 2011** PI A Case Study on Long Range Transportation Planning and Land Use Planning Applying the Urban Place Types funded by Korea Research Institute for Human Settlements (KRIHS) (\$10,000)
- Co-PI SB375 Toolkit Outreach and Training Development funded by Leonard Transportation Center (\$25,000 out of \$49,745)
- 2010** PI The Improvement of Bicyclists and Pedestrians Safety in Riverside County: Focusing on Environmental Contributing Factors to Bicyclist and Pedestrian Crashes funded by Leonard Transportation Center (\$49,955)
- 2006** PI The Development of 3D GIS Database for Historic Buildings funded by Alachua County, Florida (\$5,000)

Book Chapter

- 2020** **Kim, D.** Land Use Strategies Responding to Climate Change in Park, J (eds). Climate Change and National Response Strategies. Seoul, Korea: Murepa. (in Korean)

Peer-Reviewed Journal Articles

Published

- 2020** **Kim, D.** and Cho, D. Population Allocation at the Building level for Microlevel Urban Simulation: A Case of Jeonju, Korea. *Asian Journal of Innovation and Policy*, 9 (2): 223-239.
- Kim, D.,** Park, J., Bae, C., and Wen, F. The Aging Society from the Perspective of Urban Infrastructure and Community Environment: Searching for Policy and Technological Innovation. *Asian Journal of Innovation and Policy*, 9 (1): 79-94.
- Kim, D.** Pedestrian and Bicycle Volume Data Collection Using Drone Technology. *Journal of Urban Technology*, 27(2): 45-60.
- 2019** **Kim, D.** The Transportation Safety of Elderly Pedestrian: Modeling Contributing Factors to Elderly Pedestrian Collisions. *Accident Analysis and Prevention*, 131: 268-274.
- Ahn, Y. and **Kim, D.** The Prevalence of Asthma and Severe Asthma in Children Influenced by Transportation Factors: Evidence from Spatial Analysis in Seoul, Korea, *Cities*, 85: 30-37.
- Kim, D.** Transportation Contributing Factors to Asthma Morbidity: The Case of Los Angeles County. *International Journal of Urban Science*, 23(1): 16-29.
- 2018** **Kim, D** and Chanchlani, H. The Influence of the Built Environmental on Spatiotemporal Variation of Pedestrian Collisions in Seoul: An Application of Big Data. *Transportation Research Record*, 2672(35): 90-100.
- Kim, D.** and Ahn, Y. Built Environmental Contributing Factors to the Asthma Morbidity of the Elderly: A Case Study of Seoul, Korea. *Journal of Transport and Public Health*, 8: 91-99.
- Kim, D.,** Park, J., and Hong, A. The Role of Destination's Built Environment on Nonmotorized Travel Behavior: A Case of Long Beach, California. *Journal of Planning Education and Research*, 38(2): 152–166.
- 2016** **Kim, D.,** Ahn, Y., Choi, S., and Kim, K. Sustainable Mobility: Longitudinal Analysis of Built Environment on Transit Ridership. *Sustainability*, 8(10): 1016-1030.

- 2015** **Kim, D.**, Lee, J., and Choi, S. Balancing Mobility and CO2 Reduction by an Optimal Mode Share Scheme. *International Journal of Urban Science*, 19(2): 168-181.
Kim, D. and Kim, K. The Influence of Bicycle Oriented Facilities on Bicycle Crashes within Crash Concentrated Areas. *Traffic Injury Prevention*, 16(1): 70-75.
- 2014** **Kim, D.** and Hong, J. The Influencing Factors on Bicycle Trips: A Comparison of a Metropolitan City to Suburban Cities. *Korean Journal of Transportation Research*. 21(3): 90-106.
- 2012** **Kim, D.** Land Use Scenario Simulation Based on Urban Typologies. *Korean Local Administration Review*, 9(2): 103-120.
Kim, D. and Catalano, A. A Comparative Study on Physical Environment between Bicyclist and Pedestrian Crash Concentration Zone and Non-Concentration Zone. *Korean Journal of Transportation Research*. 19(4): 63-81.
- 2011** **Kim, D.** The Validation of 3D Simulation for Collaborative Urban Design: A Quantitative Approach. *Korean Local Administration Review*, 8(2): 70-86.
Kim, D. and Baird, N. Bicycle Facility Demanding Analysis using GIS: A Case of Los Angeles County. *An International Journal of Urban and Extra Urban Studies*. 1(2): 1-14.
- 2010** **Kim, D.** 3D Visual Urban Simulation: Methods and Applications. *Korean Local Administration Review*, 7(2): 1-20.
- 2009** **Kim, D.** Improvement of Pedestrian and Bicyclist Safety: Addressing Environmental Contributing Factors. *Korean Local Administration Review*, 6(1): 245-253.

Under Review

- Kim, D.** and Park, K. Analysis of Potential Collisions between Pedestrians and Personal Transportation Devices in a University Campus: An Application of Unmanned Aerial Vehicles. *Journal of American College Health*. (manuscript submitted)
- Kim, D.** A Comparison of the Contributing Factors to the Collisions of Younger and Older Senior Pedestrians: A Machine Learning (ML) Approach. *Traffic Injury Prevention*. (manuscript submitted)
- Kim, D.** and Ahn, Y. The Contribution of Tree and Greenspace to Asthma Emergency Room Visits: An Application of Advanced Spatial Data. *International Journal of Urban Science* (manuscript submitted)

In Preparation

- Multi-level Analysis on the Characteristics of First and Last-Mile Trips to/from Bus Stops in a Suburban Environment
- Planning for Climate Justice: Accessibility to Emergency Cooling Centers and Vulnerable Populations

Research Reports

- 2018** Park, M., Kim, H., Kang, M., **Kim, D.**, and Kwon, K. *Calculation and Application of Location Housing Affordability Index*. Report 18-06. Korea Research Institute for Human Settlements. (in Korean)
Kim, D. *Analysis of Pedestrian Collisions at Mid-Blocks and Intersections*. Southern California Association of Governments (SCAG)
- 2017** Zhang, Y and **Kim, D.** *Advanced Research on the Built Environment and Collisions*. Southern California Association of Governments (SCAG)

- Kim, D.** 2017. *Travel Behavior of Millennials in Southern California*. Metro Gold Line Foothill Extension Construction Authority.
- Pyeon, J. and **Kim, D.** 2017. *Transportation Construction Work-Zone Safety Impact on Time-Related Incentive Contracting Projects*. Mineta Transportation Institute. Report WP 12-11.
- 2016 Kim, D** and Willson, R. *The Foothill Gold Line and Cal Poly Pomona: Travel Patterns Millennials' Preferences, and Transit Advocacy*. Metro Gold Line Foothill Extension Construction Authority.
- Kim, D,** and Lee, J. *Environmental Justice Analysis for the City of Seoul*. Seoul Institute. (in Korean)
- 2015** Kwon, Y., Kim, S., Ha, S., Jung W., Han, J, Bae, J., Ahn., Y, and **Kim, D.** *Policy Directions of Improving Comprehensive National Territorial Plan for Leading the Future Territory of Korea*, Report 15-13. Korea Research Institute for Human Settlements. (in Korean)
- 2014** Willson, R., Kodama, M., Emerson, N., Burkenheim, L., Murphy, D., Rifkin, A., Scherr, R., Duran, T., and **Kim, D.** *Eco-Rapid Transit Transit-Oriented Development Guidebook: Southern Corridor*. Eco-Rapid Transit.
- 2012** Kuzmyak, R., Walters, J., Hu, H., Espie, J., and **Kim, D.** *Travel Behavior and Built Environment: Exploring the Importance of Urban Design at the Non-Residential End of the Trip*. Lincoln Institute of Land Policy. Working Paper WP12RK1.
- Kim, D.,** Choi, S., and Park, J. *A Case Study on Long Range Transportation Planning and Land Use Planning Applying the Urban Place Types in U.S.A.* Research Paper 2011-16. Korea Research Institute for Human Settlements. (in Korean)
- 2011** Reibel, M. and **Kim, D.** *SB375 Toolkit Outreach and Training Development*. Leonard Transportation Center Research Report.
- 2010 Kim, D.** *The Improvement of Bicyclists and Pedestrians Safety in Riverside County: Focusing on Environmental Contributing Factors to Bicyclist and Pedestrian Crashes*. Leonard Transportation Center Research Report
- 2006** Bejleri, I, **Kim, D,** and Yang, X. *New Database Framework for Florida's Transportation Planning: Integrating Work Program, Multimodal Transportation Networks, Planning and Environmental Database*. Florida Department of Transportation Report #BD545-11.

Non Peer-Reviewed Articles

- 2006 Kim, D.** and Bejleri, I. Visualizing the Future. *Government Matters*, winter.

Conference Proceedings and Presentations

- 2020 Association of Collegiate Schools of Planning Conference**, November 5-8, Toronto, Canada
The Analysis of Near-Miss Collision between Pedestrians and Personal Transportation Vehicles: An Application of Unmanned Aerial Vehicles (UAV) (Abstract accepted)
- 2019 Association of Collegiate Schools of Planning Conference**, October 24-27, Greenville, SC.
The Characteristics of First and Last-Mile Trips to/from Bus Stops in a Suburban Environment
- I Congreso Internacional de Sistemas Inteligentes de Transporte**, June 24-25, Lima, Peru.
Data Driven Regional Transportation Decision Making
- 2018 Association of Collegiate Schools of Planning Conference**, October 25-28, Buffalo, NY.

- The Transportation Safety of Elderly Pedestrian: Modeling Contributing Factors to Elderly Pedestrian Collisions. (Session organizer: Transportation and Vulnerability)
Roundtable: Technology Revolution & the Network of Spaces
- Western Regional Science Association Conference**, February 11-14, Pasadena, CA.
Built Environment Contributing Factors to a Dominant Collision Type at Intersection Level (with Vo, T. and Chanchlani, H.)
- Transportation Research Board Meeting**, January 7-11, Washington D.C.
The Influence of the Built Environmental on Spatiotemporal Variation of Pedestrian Collisions in Seoul: An Application of Big Data (with Chanchlani, H.)
- 2017 Association of Collegiate Schools of Planning Conference**, October 12-15, Denver, CO
Built Environmental Contributing Factors to the Spatiotemporal Patterns of Pedestrian Collisions: An Application of Big Data
- Western Regional Science Association Conference**, February 15-18, Santa Fe, NM.
Transportation Contributing Factors to Children Asthma Morbidity: A Case of the City of Seoul (with Ahn, Y.)
- 2016 Association of Collegiate Schools of Planning Conference**, November 3-6, Portland, OR.
The Contributing Factors to Asthma Morbidity of Elderly Population: A Case Study of Seoul, Korea (with Ahn, Y.)
- ESRI International User Conference**, June 27–July 2, San Diego, CA
Environmental Justice (EJ) Communities in the City of Seoul (with Lee, J.)
- Urban Affairs Association Conference**, March 16-19, San Diego, CA.
The Inequality of Built Environment from the Perspective of Environmental Justice (with Choi, S.)
- Western Regional Science Association Conference**, February 14-17, Waikoloa Village, HI
The Influence of Built Environment on Asthma Hotspots (with Choi, S., and Koo, C.)
- 2015 ESRI International User Conference**, July 20-24, San Diego, CA
Spatial Analysis on the Conditions of Environmentally Vulnerable Communities in Los Angeles County (with Choi, S., and Koo, C.)
- Transportation Research Board Meeting**, January 11-15, Washington D.C.
Does Transit-Oriented Development Create a Bicycle and Pedestrian Safe Environment? (with Rojas, D.)
- 2014 Association of Collegiate Schools of Planning Conference**, October 30-November 2, Philadelphia, PA.
Automobile Drivers' Perception of Bicyclists' Behavior: A Pilot Study (with Melkonian, A.)
- University of California Transportation Center Research Conference**, April 17-18, Pomona, CA.
The influence of TOD on Bicycle and Pedestrian Safety (with Rojas, D.)
- Western Regional Science Association Conference**, February 16-19, San Diego, CA.
Balancing Mobility and CO2 Reduction by an Optimal Mode Share Scheme (with Lee, J., and Choi, S.)
Population Aging and Land Use (with Choi, S.)
- Transportation Research Board Meeting**, January 12-16, Washington D.C.
Longitudinal Analysis of the Influence of Socio-Demographic and Land Use Features on Transit Ridership (with Ahn, Y., Choi, S., and Kim, K.)

- 2013 North American Meetings of the Regional Science Association International**, November 13-16, Atlanta, GA.
 Modeling Optimal Mode Share Scheme for Greenhouse Gas Reduction: The Case of Los Angeles (with Lee, J. and Choi, S.)
Korean Public Administration Conference, November 13-16, Sejong, Korea.
 The Impacts of Bikesharing Program in Changwon: A Comparison Study
University of California Transportation Center Research Conference, March 1-2, Los Angeles, CA.
 The Influence of Environment Features on Pedestrian and Bicycle Crashes
- 2012 International Conference on Regional Disaster Management**, November 9, Choonchun, Korea
 Greenhouse Gas Emission (GHG) Reduction Policies in U.S.: Reducing Automobile Dependency
Association of Collegiate Schools of Planning Conference, November 1-4, Cincinnati, OH
 A Spatial Analysis of Bicycle Facilities in Los Angeles County - Do Bicycle Facilities Support Utilitarian Trips?
 The Role of Destination on Active Travel in Long Beach, California: A Nested Logit Modeling Approach (with Park, J., and Hong, A.)
International Conference on Transportation and Logistics, August 23-25, Busan, Korea
 Study on Bikesharing Programs of Korea and Japan: Current Status and Future Challenges (with Lee, J., Kwon, Y., and Aoki, H.A)
ESRI International User Conference, July 23-27, San Diego, CA
 Assessing Impacts of Land Use Patterns on Non-Motorized Trips.
 Micro-Level Land-Use Simulation for Estimating Demands on Urban Infrastructure (with Hu, H, and Choi, S.)
Transportation Research Board Meeting, January 22-26, Washington D.C.
 A Comparison Study on Two Bikesharing Programs in Korea (with Lee, J., Kwon, Y., and Ha, S.)
- 2011 Association of Collegiate Schools of Planning Conference**, October 13-16, Salt Lake City, UT
 The Analysis of Environmental Contributing Factors to Bicyclist and pedestrian Crashes
The Korea Local Administration Conference, July 1–2, Hongsung, Korea
 The Principles and Applications of Scenario Planning: The Case of U.S.
- 2010 International Spaces and Flows Conference**, December 4-5, Los Angeles, CA.
 Bicycle Facility Demanding Analysis using GIS: A Case of Los Angeles County (with Baird, N.)
Jack R. Widmeyer Transportation Research Conference, November 4, San Bernardino, CA
 What If Crash Data Does Not Mean for Mapping: Lessons Learned from Crash Mapping for Riverside County
 Integrated Land Use and Transportation Planning to Fight Climate Change: Compliance Approaches and Tools (with Reibel, M.)
Association of Collegiate Schools of Planning Conference, October 7-10, Minneapolis, MN
 Land Use Scenario Simulation Based on Transect Planning Theory
ESRI International User Conference, July 12 –16, San Diego, CA
 Place Type-Oriented Land-Use Simulation for Land Use/Transportation Decision Making

- 2009 Jack R. Widmeyer Transportation Research Conference**, November 6, San Bernardino, CA
The Impacts of Transit Oriented Development: From Regional Land Use Perspective
- 2007 Conference for Healthy Community Makeover**, August 27-30, Orlando, FL
Bicycle and Pedestrian Safety Analysis: Brevard County as a Case Study for Integrating Technical Analysis with Improved Community Design
- Transportation Research Board Meeting**, January 21-25, Washington D.C.
GIS Methods and Tools for Bicycle and Pedestrian Crash Mapping and Analysis (with Bejleri, I., Steiner, R.)
- 2006 Urban and Regional Information Systems Association Conference**, September 25–28, Vancouver, Canada
A Multimedia Spatial-web Application on Historic Structures for Three Florida Cities (with Papajorgji, J.)
- National Conference of the American Planning Association**, April 22-26, San Antonio, TX.
Visual Urban Simulation: Development and Application of Three- Dimensional Urban Models in Urban Planning (with Bejleri, I.)
- 2005 Association of Collegiate Schools of Planning Conference**, October 27-30, Kansas City, MO
The Evaluation of 3D Simulation for Collaborative Urban Design: A Quantitative Approach
- Urban and Regional Information Systems Association Conference**, October 9–12, Kansas City, MO
A Real-time 3D GIS Simulation Tool for Participatory Urban Design (with Bejleri, I.)
- ESRI International User Conference**, July 25–29, San Diego, CA
The Development of a 3D GIS Simulation Tool for Urban Design (with Bejleri, I.)
- 2004 Public Participation GIS Conference**, July 18–20, Madison, WI.
A 3D GIS Database Framework for Facilitating Public Participation in Urban Planning and Design (with Bejleri, I.)
- 2003 ESRI International User Conference**, July 7–11, San Diego, CA
Improving Geocoding of Traffic Crashes Using a Custom ArcGIS Address Matching Application (with Steiner, R., Bejleri, I., and Yang, X.)

Symposium/Seminars/Workshops Presentations

- 2019 Association of Collegiate Schools of Planning Conference**, October 24-27, Greenville, SC.
Recruiting for Diverse Planning Programs (Panelist)
- Webinar: Accessing and Using Data to Evaluate Traffic Safety**, September 17, Los Angeles, CA
Using Drones to Collect Pedestrian and Bicycle Traffic Data
- ACSP Administrators' Conference**, March 15-16, Minneapolis, MN.
Crafting a Diversity Statement (with Giusti, C.)
Best Practices in Diversity and Inclusion (with Giusti, C.)
- 2018 Daegu Sustainable Planning Symposium**, March 19. Daegu, Korea
The Application of Dig Data to Sustainable Transportation
- SCAG Regional Planning Symposium**, February 15. 2018, Los Angeles, CA
To Big or Not To Big: Big Data Experience with Pedestrian Traffic
- 2017 ACSP Administrators' Conference**, March 11-12, Reston, VA.

- The Success of Diverse Student
- 2016 Alternative Transportation Conference**, November 17-18, Pomona, CA
Travel Behavior of Cal Poly Pomona Community
- Foothill Gold Line State of the Project 2016**, October, 14, Claremont, CA
The Foothill Gold Line and Cal poly Pomona (*with Rick Willson*)
- 2013 SCAG-KRIHS Workshop**, November 8, Los Angeles, CA
Strategies of Sustainable Metropolitan Development. (Discussant)
- Korean Bicycle Federation Seminar**. July 8, Seoul, Korea
The Influences of Built Environments on Bicycle and Pedestrian Crashes in Crash Hotspots
- 2012 BK21 Expert Seminar**, Chungbook National University, November 14, Chungjoo, Korea.
Land Use Simulation and Public Participation
- College of Environmental Design Bicycle Symposium**. January 19, Pomona, CA.
What Attracts Bicycle Trips? Land Use Factors of Bicycle Trips
- 2011 Korean Society of Transportation Bicycle Expert Seminar**. July 15, Seoul, Korea.
Analysis on the Relationship between Bicycle Facilities and Non-Recreational Trips
Using GIS: The Case of Los Angeles
- Making Transit Works in Suburbia Symposium**. April 8, Irvine, CA.
Measuring the Importance of Land Use at Transit Stations: The Case of Metrolink Orange county Line
- 2010 SCAG Regional Expert Seminar**. November 10, Los Angeles, CA.
Land Use Scenario Simulation Using Urban Typologies
- 2006 Urban and Regional Information Systems Association Conference**. September 25–28, Vancouver, Canada
3D Geospatial: Project Implementation Methods and Best Practices. Workshop Session (with Tim Case)
- 2005 Urban and Regional Information Systems Association Conference**. October 9–12, Kansas City, MO
3D Geospatial: Project Implementation Methods and Best Practices. Workshop Session (with Tim Case)
- 2004 Conference of Florida Chapter of the American Planning Association**. October 13-16, Gainesville, FL
Introduction to 3D Visualization for Planning and Urban Design. Workshop Session (with Ilir Bejleri)
- 2002 Visualization/Simulation (G2V2) Seminar**. November 6, Gainesville, FL
3D Modeling and Visualization in Urban Design. Geometry, Graphics, Vision (with Ilir Bejleri)
- Graduate and Professional Student Forum**. April 4, Gainesville, FL.
Computer Aided Urban Design

Invited Lectures

- 2019** Land Use – Transportation Scenario Planning. Hanyang Urban Forum, May 24, Seoul, Korea.
- 2018** Big Data Applications to Urban Planning. Korea Research Institute for Human Settlements

- (KRIHS), June 18, Sejong, Korea.
 The Influence of the Built Environmental on Spatiotemporal Variation of Pedestrian Collisions in Seoul. Seoul Institute. March 23, Seoul Korea.
 Public Participation in Planning Decision Making. Myungji University. March 21, Seoul Korea.
 Land Use Scenario Planning. Chungang University. March 20, Seoul Korea.
2017 Big Data Application to Pedestrian Safety Analysis. Southern California Association of Governments (SCAG). March 23, Los Angeles, CA.
2015 The Inequality of Transportation within Communities with Environmental Justice Issues. Ulsan National Institute of Science and Technology Lecture, October 28, Ulsan, Korea.
 Inequality of Urban Built Environment from the Perspective of Environmental Justice. Kwangwon National University Lecture, October 21, Choonchun, Korea.
2012 Urban Simulation: Modeling and Visualization. Deajeon Development Institute, November 14, Deajeon, Korea.
2006 Futuristic Technologies for Preserving Historic Structures. Alachua County Historic Preservation Committee. September 13, Gainesville, FL
2004 3D Visualization for Public Participation in Urban Design. Community Design Center Guest Lecture Series. January 23, Gainesville, FL. (with Ilir Bejleri)

Awards, Honors, and Scholarship

- 2018** President's Certificate of Achievement
2013 College of Environmental Design Outstanding Advisor of Year Award
2011 American Planning Student Association the Faculty of the Year Award
 College of Environmental Design Council the Faculty of the Year Award
2004 Central Florida Builders Exchange Fund Scholarship
2003 Central Florida Builders Exchange Fund Scholarship
 ESRI International User Conference Student Assistantship
 Carl Feiss Urban and Environmental Design Award
2002 Graduate and Professional Student Forum 3rd Place Winner

Professional Service Activities

Journal Editorial Board

- 2020 – Present** Asian Journal of Innovation and Policy (Associate editor)
2011 – Present Korean Local Administration Review (Board member)

Professional Committee

- 2019 - Present** Campus Representative for Transportation Research Board (TRB)
2017 - Present The ACSP Committee on Diversity
2014 - Present Transportation Research Board (TRB) Committee on Pedestrians (ANF10)
2010 - Present Southern California Association of Governments (SCAG) Transportation Scholarship Selection Committee
2017-2018 SCAG Open Data/Big Data Committee

Referee Service for Peer-Reviewed Journals

Transportation Research Record

Transportation Research Part D: Transport and Environment
 International Journal of Sustainable Transportation
 An International Journal of Urban and ExtraUrban Studies
 Cities
 Sustainability
 Journal of Urban Health
 Journal of Public Health
 Traffic Injury Prevention
 International Journal of Urban Sciences
 Environment & Behavior
 American Journal of Epidemiology
 Asian Journal of Innovation and Policy
 Korean Comparative Government Review
 Korean Local Administration Review
 Journal of Korean Regional Science Association

Program Supervisor

2012, 2015 Minority Student Fellows Program, Transportation Research Board

Conference Workshop Instructor

2005 – 2006 Conference of the Urban and Regional Information Systems Association
2004 Florida Chapter of the American Planning Association Conference

Academic Committee Service

California State Polytechnic University, Pomona

2009 – Present Campus GIS Council / GIS Minor Program
2012 – Present Center for Community Service Learning faculty
2014 – 2015 Graduate Studies Development Committee
2013 – 2016 Extended Graduate Council
2012 – 2013 Faculty Affairs Committee of the Academic Senate
2011 Taskforce for University Transportation Center

College of Environmental Design

2020-Present Curriculum Committee
2020-Present Retention, Tenure and Promotion Committee
2009 - Present Technology Committee
2016 – Present Assessment Committee
2016 - 2018 Safety Committee
2016 – 2018 International Studies
2014 – 2015 ENV Outstanding Advisor Selection Committee
2009 - 2014 Archive Committee

Department of Urban and Regional Planning

2018 – Present Faculty Search Committee
2014 – Present Department Retention, Tenure, and Promotion Committee

2013 – Present	Student Club Advisor
2012 – 2018	Curriculum Review Committee
2012 – 2018	Semester Conversion Committee
2013 – 2015	Graduate Program Committee
2012	Department Chair Selection Committee