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EDUCATION

- PH.D.: Department of City and Regional Planning, School of Architecture, College of Engineering, **The Ohio State University**, 5/1998.
- MCRP: Department of City and Regional Planning, School of Architecture, College of Engineering, **The Ohio State University**, 5/1994.
- MS/LARCH: Department of Urban & Environmental Sciences, Human Geography/Landscape Design and Regional Planning, **Beijing University**, China, 7/1988.
- BARCH: Department of Architecture, School of Architecture, Architecture, College of Engineering, **Tsinghua University**, Beijing, China, 7/1985.

EXPERIENCE

- Director: Planning Program, College of Architecture, Planning, and Public Affairs, The University of Texas at Arlington, 2018 - Present.
- Director: Division of Regional and City Planning, College of Architecture, The University of Oklahoma, 2005-2009.
- Co-Director: Oklahoma Advanced Transportation Laboratory for Research, Education, and Outreach, 2010-2018
- Chair: Committee A on Academic Affairs, College of Architecture, 2009-2018
- Professor: Division of Regional and City Planning, College of Architecture, The University of Oklahoma, 2009-2018.
- Adj. Prof.: School of Industrial and Systems Engineering, College of Engineering, the University of Oklahoma, 2009-2018.
- Asso. Prof.: Division of Regional and City Planning, College of Architecture, The University of Oklahoma, 2005-2009.
- Assist. Prof.: Division of Regional and City Planning, College of Architecture, The University of Oklahoma, 1999-2005.
- Assist. Prof.: Department of Planning, College of Technology and Engineering, East Carolina University, 1998-1999.
- ABD/Assist.: Department of Planning, College of Technology and Engineering, East Carolina University, 1994-1998.
- Lecturer: Department of Architecture, College of Architecture and Planning, Beijing University of Architecture, 1988-1990.

REFEREED ARTICLES (published or forthcoming)

1. Bangjun Wang, Guoqiang Shen, Long Zhou. (2021). "Designing Optimal Hub-and-Spoke Network Considering Flow Delay Cost: the Case of Urban Express Delivery in Eastern China", under revision and forthcoming in *Transportation Research Part E: Logistics and Transportation Review*.
2. Long Zhou, Guoqiang Shen, Chaosu Li, Tian Chen, Sihong Li, Robert Brown. (2021). "Impacts of Land Covers on Stormwater Runoff and Urban Development: A Land Use and Parcel Based Regression Approach". *Land Use Policy*, Vol. 103, 105280.
3. Guoqiang Shen, Long Zhou, Saniye Gizem Aydin. (2020). "A Multi-Level Spatial-Temporal Freight Movement: The Case of U.S. Manufactured Goods Flows on the U.S. Highway Networks". *Journal of Transport Geography*, Vol. 88, 102868.
4. G. Shen, Xiaoyi Yan, Long Zhou, Zhangye Wang. (2020). "Visualizing the USA's Maritime Freight Flows Using DM, LP, and AON in GIS". *ISPRS International Journal of Geo-Information*, Vol. 9, No. 5, 286.
5. Guoqiang Shen, (2020). "Accessibility Patterns of Housing to Facility: A Retro Comparison of Four Counties in North Carolina", *Human Dynamics and Smart Cities: Spatial Synthesis*, Xinyue Ye, Hui Lin (eds), Springer and Higher Education of China.
6. Guoqiang Shen, Zhangye Wang, Long Zhou, Yu Liu, and Xiaoyi Yan. (2020). "Home-Based Locational Accessibility to Essential Urban Services: The Case of Wake County, North Carolina, USA", *Sustainability*, Vol. 12, Vol. 21, 9125.
7. Guoqiang Shen, Zhangye Wang, Long Zhou, Xiaoyi Yan. (2020). "Principles and Strategies to International Public Emergencies: the Cases of COVID-19 in China and USA". Forthcoming in *Science and Technology Review*.
8. Long Zhou, Guoqiang Shen, Chaosu Li, Robert Brown. (2020). "The Impacts of Urban Land Use and Land Cover on Stormwater Yield and Quality: a Parcel-based Spatial Analysis and Regression Approach". Forthcoming in *Land Use Policy*.
9. Long Zhou, Yu Liu, and Guoqiang Shen (2020). "Do Established Relations in Urban Form, Land-use Mix, Accessibility, and Socio-Economics Hold for American Small Cities? The Case of Corvallis, Oregon". Forthcoming in *Environmental Modeling & Software*.
10. Bangjun Wang, Guoqiang Shen, Long Zhou. (2020). Optimal Hub-and-Spoke Network Design Considering Flow Delay Cost: The Case of An Urban Express Delivery Company in Eastern China. Forthcoming in *Transportation Research Part E*.
11. Xindong He, Xianmin Mai, and Guoqiang Shen. "Delineation of Urban Growth Boundaries with SD and CLUE-s Models under Multi-Scenarios in Chengdu Metropolitan Area", *Sustainability*, Vol. 11, No. 21, 5919.
12. Xigang Zhou, Siqi Yu, and Guoqiang Shen. "China's Fight against Water Pollution", *Science*, e-letters, March 19, 2019.

13. Guoqiang Shen, "Livability Factors and Evaluation Methods for China's Coastal Cities", *Annual Report on the Development of Coastal Cities in China (2018-2019)*, Wu Yao and Ye Guiping (eds), Social Sciences Academic Press. (in Chinese).
14. Guoqiang Shen, Xiangwu Xue, 2019. "A Multi-Scale Spatial-Temporal Risk Analysis of Tornado Hazard in the United States", forthcoming in *Risk Analysis*.
15. Guoqiang Shen, Seong Nam Hwang, 2019. "Spatial-Temporal Snapshots of Global Natural Disaster Impacts Revealed from EM-DAT for 1900-2015", *Geomatics, Natural Hazards and Risk*, Vol. 10, No. 1, 912-934.
16. Zhou Long, Guoqiang Shen, and Tom Woodfin, 2018. "Correlations of Urban Pavement, Stormwater Runoff and Quality, and Property Value by Land Use at the Parcel Level", forthcoming in *Environmental Modeling & Software*.
17. Long Zhou, Guoqiang Shen, Yao Wu, Robert Brown, Tian Chen, Chenyu Wang, 2018. "Urban Form, Growth, and Accessibility in Space and Time: Anatomy of Land Use at the Parcel-Level in a Small to Medium-sized American City", *Sustainability*, Vol. 10, No. 12, 4338.
18. Guoqiang Shen, Zhou Long, Yao Wu, Zhiming Cai, 2018. "A Global Expected Risk Analysis of Fatalities, Injuries, and Damages by Natural Disasters", *Sustainability*, Vol. 10, No.7, 2573.
19. Guoqiang Shen, 2018. "Transportation Hub Location and Network Design with Considerations of Flow Delay Cost and P-P Connection", in Xinyue Ye and Xingjian Liu (eds), *Spatial-Social Networks in GIS*, Springer, 105-125.
20. Guoqiang Shen, 2017. "GIS-Based Analysis of US International Seaborne Trade Flows", in Cesar Ducruet (ed), *Advances in Shipping Data Analysis and Modeling*, *Routledge Studies in Transport Analysis*, 245-271.
21. Guoqiang Shen, 2017. "Macro Signs of Emerging Real Estate Speculation in Urban China 1980– 2000", in Xiaobin Li and Xiaosheng Tian, (eds), *Urbanization and Party Survival in China: People vs. Power*, Lexington Books, 85-104.
22. Zhou Long, Guoqiang Shen, Tom Woodfin, Chen Tian, and Song Kun, 2017. "Ecological and Economic Impacts of Green Roofs and Semi-Permeable Pavements at the City Scale: The Case of Corvallis, Oregon", *Journal of Environmental Planning and Management*, Vol. 61, No. 3, 430-450.
23. Guoqiang Shen, Seong Nam Hwang, 2016. "Revealing Global Hot-Spots of Technological Disasters: 1900-2013", *Journal of Risk Research*, Vol. 19, No.9, 1-33.
24. Guoqiang Shen, Zhao Kun, 2016. "A Comparative Analysis of Urbanization Transformations in China and USA", *Journal of Urban and Rural Planning*, Vol.1, No1., 86-95. (in Chinese).
25. Guoqiang Shen, Seong Nam Hwang, 2015. "A Spatial Risk Analysis of Tornado-Induced Human Injuries and Fatalities in the U.S.", *Natural Hazards*, Vol. 77, 1223–1242.

26. Guoqiang Shen and S. G. Aydin, 2014. "Origin–Destination Missing Data Estimation for Freight Transportation Planning: A Gravity Model-Based Regression Approach", *Transportation Planning and Technology*, Vol. 37, No. 6, 505-524.
27. Guoqiang Shen and S. G. Aydin, 2014. "Freight Flow Disruptions On U.S. Highway Networks Under An Extreme Event: The Case of Hurricane Katrina", *International Journal of Environmental Science and Technology*, Vo.11, No. 8, 2387-2402.
28. Saniya G. Aydin, Guoqiang Shen, Simin Pulat, Manjunath Kamath and Ricky G. Ingalls, 2012. "A Framework to Analyze Extreme Events with Case Studies", *International Journal of Critical Infrastructure*. Vol. 8, No.4, 273 – 292.
29. Guoqiang Shen and Saniya G. Aydin, 2012. "A Retro-Analysis of I-40 Bridge Collapse on Freight Movement in the U.S. Highway Network using GIS and Assignment Models", *International Journal of Transportation Science and Technology*, Vo.1, No.4, 379- 397.
30. Jiahui Wang, Simin Pulat, and Guoqiang Shen, 2012. "Data mining for the development of a global port-to-port freight movement database", *International Journal of Shipping and Transport Logistics*, Vol. 4, No. 2, Vol. 4, No. 2, 137-156.
31. Guoqiang Shen, Saniya G. Aydin, 2011. "Exploration and Visualization of National and Local Highway Freight Flows Using GIS: The Case of United States 2000-2035", *Journal of Geography and Regional Planning*, Vol. 5, No.10, 263-286.
32. Guoqiang Shen, Jiahui Wang, 2011. "A Freight Mode Choice Analysis Using a Binary Logit Model and GIS: The Case of Cereal Grains Transportation in the United States", *Journal of Transportation Technologies*, Vol. 2, 175-188.
33. Kamath, M., Srivathsan, S., Ingalls, R. G., Guoqiang, S., 2011. "TISCSoft: A Decision Support System for Transportation Infrastructure and Supply Chain System Planning", *International Conference on System Sciences*, 1–9.
34. Guoqiang Shen, 2005. "Manufactured Housing Location and Accessibility: A GIS Assisted Spatial Analysis", *Social-Economic Planning Sciences*, Vol. 39, No. 2, 25-41.
35. Guoqiang Shen and Mulatu Wubneh, 2005. "The Impact of Manufactured Housing on Nearby Residential Properties: A GIS Approach", *Review of Urban & Regional Development Studies*, Vol. 16, No. 1, 56-73.
36. Guoqiang Shen, 2004. "Reverse-Fitting the Gravity Model to Inter-City Airline Passenger Flows by an Algebraic Simplification", *Journal of Transport Geography*, Vol. 12, 219-234.
37. Guoqiang Shen, 2002. "Estimating Aggregated Gravitational Attractions by an Algebraic Simplification", *Studies in Regional Science*, Vol. 32, No. 2, 41-56.
38. Guoqiang Shen, 2002. "Measuring Accessibility of Homes to Public-Community Facilities Using Geographical Information Systems", *Review of Urban & Regional Development Studies*, Vol. 14, No. 3, 235-255.
39. Guoqiang Shen, 2001. "Fractal Dimension and Fractal Growth of Urbanized Areas",

International Journal of Geographical Information Science, Vol. 16, No. 5, 419-437.

40. Guoqiang Shen, 2000. "Web GIS Tools for On-line Spatial Data Exploration and Analysis", *WebNet Journal: Internet Technologies, Applications & Issues*, Vol.2, No.3, 46-53.
41. Guoqiang Shen. 1999. "Estimating Nodal Attractions with Exogenous Spatial Interaction and Impedance Data Using the Gravity Model", *Papers in Regional Science*, Vol. 78, No.1, 213-220.
42. Guoqiang Shen, 1997. "A Fractal Dimensional Analysis of Urban Transportation Networks", *Geographical and Environmental Modeling*, Vol. 1, No. 2, 221-236.
43. Guoqiang Shen, 1997. "A Multi-Path and Multi-Hub Network Design Model and Its Relaxation", *Journal of Industrial Technology*, Vol. 13, No. 4, 9-13.
44. Guoqiang Shen, 1996. "A Path-Based Hub-and-Spoke Network Design Model and Its Linearization Algorithm", *Proceedings OF IPCCC'96, IEEE on Computers and Communications*, pp. 344-349.
45. M.E. O'Kelly, Wei Song, and Guoqiang Shen, 1996. "New Estimates of Gravitational Attraction by Linear Programming", *Geographical Analysis*, Vol. 27, No. 4, 272-285.
46. Guoqiang Shen, and Zhongyi He, "Tokyo International Forum Design Competition Project", Honorable Mention, *Project Collection*, Japan Chapter of UIA, pp.56-57.
47. Guoqiang Shen, 1990. "Spatial Patterns of Chinese Landscape Architecture", 1990. *Journal of Beijing Institute of Civil Engineering and Architecture*, Special Edition, Vol. 8, No. 2, 34-43 (in Chinese).
48. Guoqiang Shen and Li Wei, 1985. "Reflection on Monument Design", 1st Place, National Competition, *Journal of Architecture*, Vol. 5, No. 6, 34-39 (in Chinese).
49. Guoqiang Shen, 1984. "On Aesthetics of Traditional Chinese Architecture and Landscape Architecture", 1st Place, National University Student Essay Contest in Architecture, *Architects*, No. 18, 15-19 (in Chinese).
50. Guoqiang Shen and Shang, 1984. "3,000-Seat Coliseum Design for Southern China", 3rd Place, National Stadium Design Competition, in the *Special Collection of Medium-Sized Coliseum Design Projects*, Vol.6, No.4, 23-29 (in Chinese).

RECENT PAPERS (submitted or under revision or draft completed)

1. Elizabeth Navarette, Ellen Phillips, Kelsey Poole, and Guoqiang Shen. 2019. "Implications of 5G Small Cell Deployment for Smart Cities Examined: A Physical Requirement and Regulatory Control Approach", Submitted to *Cities*.
2. Yu Liu, Long Zhou, Guoqiang Shen (2020). "Euclidian and Fractal Measures of Urban Form and Growth: the Case of Charlotte, NC". Submitted to *Environment and Planning B*.

3. Guoqiang Shen, Deng Yilin, 2019. "Estimating US-China Inter-Urban Import-Export Freight Using the Transshipment and Spatial Interaction Models", under revision for *Transportation Research E: Logistics and Transportation Review*.
4. Liu Yu, Zhou Long, and Guoqiang Shen, 2019. "Euclidian and Fractal Measures of Urban Form and Growth: The Case of Charlotte, NC", submitted to *Environment and Planning B*.
6. Guoqiang Shen, Suleyman Karabuk, and Jean-Michel Guldmann, 2018. "A General Hub Location and Network Design Model: Formulations and Numerical Analyses", under revision for *Transportation Research Part B Methodological*.
7. Guoqiang Shen and Seong Nam Hwang, 2018. "An Integrated Framework of Theories and Models for Natural Hazard Risk Analysis, Perception, Behavior, and Policy", under preparation for *Natural Hazards*.
8. Guoqiang Shen, 2018. "Scale and Resolution Effects on Fractal Dimension: The Cases of U.S Urbanized Areas and Night Light Images", under revision for *International Journal of Geographic Information Science*.
9. Guoqiang Shen, 2018. "An Assessment of Common Link Performance Functions for Highway Passenger and Freight Transportation in the United States", under preparation for *Environment and Planning B*.
10. Guoqiang Shen, Sun Shuzhen, Tieming Liu, 2017. "Linearization to the Discrete Integer Quadratic Hub Location and Network Design Problem", under revision for *Papers in Regional Science*.
11. Guoqiang Shen, David Jung-Hwi Lee, 2017. "Impact of Spatial Scales to Assignment Accuracy: The Case of Highway Freight Transportation in the United States", under revision for *Journal of Transport Geography*.
12. Guoqiang Shen, David Jung-Hwi Lee, 2017. "The Utility of Regression and Spatial Interaction Models in Filling Incomplete Freight Flow O-D Matrices at the Metropolitan Level", under revision for *Transportation Research Part C: Emerging Technologies*.
13. Guoqiang Shen, 2017. "Land Use Zoning as A Major Regulatory Barrier to Manufactured Housing Placement", under preparation for *Land Use Policy*.
14. Guoqiang Shen. 2017. "The Characteristics of China's Regional and Urban Planning Process Since 1980", under preparation for *Journal of International Planning*.
15. Guoqiang Shen, 2016. "A Fractal Dimensional Approach to the City Rank- Size Rule", under preparation for *Environment and Planning B*.
16. Guoqiang Shen, 2016. "Patterns and Design Features of Contemporary Single-Family Homes and Neighborhoods in China, under preparation for *Journal of Architecture and Planning Research*.
17. Guoqiang Shen, 2016. "A Linear Programming Approach to Some Boolean Logic-Based Spatial Decision Problems", under preparation for *Computers, Environment and Urban*

Systems.

18. Guoqiang Shen, 2016. "Fractal Dimensions of Chinese Cities", under preparation for Environment and Planning B.
19. Guoqiang Shen. 2016. "Measuring Urban Sprawl: A GIS-Assisted Parcel-Based Spatial Analysis for Three North Carolina Cities", under preparation for Journal of American Planning Association.
20. Guoqiang Shen, Simin Pulat, Ricki Ingalls, Manjun K., 2015. "Regression Models and Code Mappings for State Freight Flow Generation", under revision for Transportation.
21. Guoqiang Shen, Ricki Ingalls, Simin Pulat, and Manjun K., 2015. "A Survey of Statewide Multi-Modal Freight Movement Models", under revision for Transportation Research Part E.
22. Guoqiang Shen, 2015. "Teaching Visual Design Principles to Planning Students without Design Background", under revision for Journal of Planning Education and Research.
23. Guoqiang Shen, 2015. "Sky-Villa/Split-Subdivision: Novel Home and Neighborhood Designs for Sustainable and Smart Urban Development", under revision for Journal of Urban Design.
24. Guoqiang Shen, 2015. "Location Value of Residential Properties", under revision for Regional Science and Urban Economics.

BOOK MANUSCRIPTS (in preparation)

1. Guoqiang Shen, 2020. "Sustainability in Modern China", forthcoming book in Springer Nature.
2. Guoqiang Shen, 2018-present. "*Hub Location and Hub-Spoke Network Design: Model Formulation, Solution Algorithm and Numerical Analysis*", book proposal submitted to Springer Nature.
3. Guoqiang Shen, 2018-present. "*Inter-Modal Freight Transportation Planning and Logistics Management: Models, Databases, and Applications*", book proposal submitted to Routledge Studies in Transportation Analysis.
4. Guoqiang Shen, 2016, "*Management Science and Decision Theory for City Planning, Public Policy, and Urban Management*", book proposal under development.
5. Guoqiang Shen, 2015-Present. "Spatial Models and GIS Applications in Business Analysis and Socio-Economic Planning", book under development.
6. Guoqiang Shen, 2015-Present. "China Miracles: *Photographic Studies of Modern Chinese Architecture, Landscape Architecture, and Urban Planning*", book proposal under development.
7. Guoqiang Shen, 2013–present. "*Manufactured Housing: Planning, Design, and Development*", book proposal under development.

SPONSORED GRANTS (\$20 million awarded, worked as PI or Co-PI in the U.S.)

1. \$175,000, PI, “*Developing Graduate and Undergraduate Certificate Programs for Transportation Planning and Logistics Management in Oklahoma Higher Education Institutes*”, with R. Ingalls, M. Kamath, S. Pulat. Oklahoma Transportation Center, 2011-2012.
2. \$300,000, PI, “*Building Oklahoma Advanced Lab in Transportation and Logistics: Research, Education, and Outreach*”, with R. Ingalls, M. Kamath, S. Pulat. Oklahoma Transportation Center, 2010-2011.
3. \$450,000, PI, “*Decision Support Systems for Freight Infrastructure Planning and Supply Chain Management*”, with R. Ingalls, M. Kamath, S. Pulat. Oklahoma Transportation Center, 2008-2010.
4. \$3,000,000, PI, “*Global Containerized Freight Flow Model and Port Security*”, a key portion of the 4-year \$12.5 million “*Inter-Modal Containerized Freight Flow Security*” grant, OTC/FHWA, 2006—2010. OU/Industry (i.e., Lockheed Martin).
5. \$300,000, PI, “*Freight Movement Modeling V*”, OTC/FDOT, 2006–2008.
6. \$285,000, PI, “*Measuring the Mobility Impacts of Projects Competing for New Starts Funding*”, with Richard Marshment, Mary Court, Cindy Rogers, et al., Federal Transit Authority, 2004-2006.
7. \$180,000, PI, “*Freight Movement Modeling IV*”, OTC/FDOT, 2004 - 2005.
8. \$80,000, PI, “*Inter-Modal Freight Movement for Tulsa TMA*”, INCOG, 7/2003 –12/2004.
9. \$175,000, PI, “*Freight Movement Modeling III*”, OTC/FDOT, 2003 - 2004.
10. \$102,000, PI, “*Freight Movement Modeling II*”, OTC/FDOT, 2002 - 2003.
11. \$142,000, PI, “*Freight Movement Modeling I*”, OTC/OKDOT, 5-10, 2002.
12. \$9,012, PI, “*Comprehensive Plan and Urban Design*”, City of Poteau, OK, 8-12, 2002.
13. \$1,600, PI, “*Presidential Traveling Fellowship*”, University of Oklahoma, 2002.
14. \$8,000, PI, “*Master Plan and Design for City of Piedmont, Oklahoma*”, City of Piedmont, Oklahoma, 8-12, 2001.
15. \$6,000, PI, “*The Spatial Value Interaction of Properties*”, University of Oklahoma Summer Research Grant, 5-8, 2000.
16. \$1,000, PI, “*Internet II Supplementary Funding for University of Oklahoma / ECU On-Line CAD/GIS Teaching*”, University of Oklahoma, 10/1999-3/2000.
17. \$12,000, PI, “*The Impact of Manufactured Housing on Residential Property Values: A GIS Based Approach*”, for Lincoln Institute of Land Policy, Cambridge, MA, with Mulatu

Wubneh, 1999-2001.

18. \$27,150, PI, "*Identification of Zoning Discrimination against Manufactured Housing: A Location and Accessibility Approach using GIS*", NCMHI, 1997-1998, with Richard A. Stephenson.
19. \$40,950, PI, "*Implementing Autodesk GIS and Mapping Software into the Urban Planning Curriculum at East Carolina University*", Autodesk, Inc. 1997-1998, with Mulatu Wubneh.
20. \$6,340, PI, "*Using AutoCAD and Arc/Info GIS for Urban Design and Site Planning Teaching and Research*", East Carolina University, 1997.
21. \$25,000, PI, "*The Impact of Manufactured Housing on Adjacent Site-Built Residential Properties in North Carolina*", NCMHI, 1996-1997, with Richard A. Stephenson.
22. \$5,867, PI, "*Integrating GIS/CAD into the Planning Curriculum*", East Carolina University, 1996.

GRANTS (under review or preparation)

1. \$1.2 million, PI. Start-up fund for endowed professorship, Zhejiang University, 2021.
2. \$2.0 million, PI. Sun access and sunlight channelization system for residential home design in China. With Yantu Science and Technology, a proposal underway for Fuyang District, Hangzhou, China.
3. \$1.5 million, PI. Skyvilla as an innovative housing system for residential homes in China. A proposal underway for City of Hangzhou, China.
4. \$1.25 million, PI, "*Comparative Studies of Physical Planning and Design Education (Architecture, Landscape Architecture, Urban Planning) in China and USA*", a grant proposal under preparation to USAID's American Schools in Overseas Program, with 3 Chinese universities, 2021.
5. \$375, 000, PI, "A Novel Spatial and Temporal Risk Measure for Tornado Hazard in the United States", a grant proposal being revised to resubmit to NSF, with Dr. Seong Nam Hwang, 2020.
6. \$4.0 million, PI, "Physical and Regulatory Best Practices for Hurricane and Flood Induced Property Damages in Texas", to be submitted to Texas General Land Office for HUD Hurricane Harvey disaster recovery grant, with AECOM Dallas/Houston Offices, 2020.

RECENT CONFERENCES (papers, abstracts, or presentations)

1. Guoqiang Shen, "Livability Measures of Chinese Ocean-Front Cities", *The 1st International Conference and Workshop on the Future Coastal Cities*, Oct. 15-18, 2019.
2. Guoqiang Shen, "Sky-Villa: Its Planning, Design, and Development Issues", College of Public Affairs, *Speaker Series of Department of Public Economics and Social Policies*, Fudan University, Sept. 23, 2019.
3. Guoqiang Shen, "Vertical-Green-Ecological Sky-Villa: Toward a More Livable and Architecture and Landscape Architecture, Innovative Housing System", *4th International Ph.D. Research Workshop*, College of Urban and Environmental Sciences, Beijing University, August 10-12, 2019.
4. Guoqiang Shen, "Global Risk Assessment and Social-Economic Development", *The 5th Regional, Urban, and Spatial Economics in China*, June 3-4, 2016, Southwest Inst. of Finance and Economics, Chendu, China.
5. Guoqiang Shen, "Revelations of Planning Jokes and Cartoons to Urban Planning Research, Education, and Practice Issues", *10th IACP Conference*, Beijing University, June 30-July 3, 2016, Beijing, China.
6. Guoqiang Shen, "Master Planned and Designed Mega Ghost Cities in Modern China: A Critical Analysis", *10th IACP Conference*, Beijing University, June 30-July 3, 2016, Beijing, China.
7. Guoqiang Shen, "Estimating US-China Inter-Urban Import-Export Freight Using the Transshipment and Spatial Interaction Models", *6th I-NUF Conference*, Oct. 21-23, 2015, Long Beach, CA.
8. Guoqiang Shen, "A New Linearization Algorithm to the Discrete Integer Quadratic Assignment Problem: The Case of Freight Flows Between NAFTA Countries and the World", *6th I-NUF Conference*, Oct. 21-23, 2015, Long Beach, CA.
9. Guoqiang Shen, "Plausible Theories and Measures of Real Estate Bubble", *4th Workshop on Regional and Urban Spatial Economics*, Qinghua University, June 6-7, 2015, Beijing, China.
10. Guoqiang Shen and Yuan Li, "Accessibility of Housing to Public Services: The Case of Xiamen", *4th Workshop on Regional and Urban Spatial Economics*, Qinghua University, June 6-7, 2015, Beijing, China.
11. Guoqiang Shen, "An Organizational Theory to Urban Planning and Management", *9th IACP Conference*, Chongqing University, June 19-21, 2015, Chongqing, China.
12. Guoqiang Shen, "Big Data for Global Freight Flow Movement", *NSF Workshops on Big*

Data and Urban Informatics, UIC, August 11-12, 2014, Chicago, IL.

13. Guoqiang Shen, "Fast Urbanization in China: The Emerging and Innovative Chinese Urban Planning System and Development Process", *44th Urban Affairs Conference*, March 19-22, 2014, San Antonio, TX.
14. Guoqiang Shen, "Plausible Theories and Measures of Real Estate Bubbles: Evidences from the Urban Real Estate Market in China during 1980-2010", *8th IACP Conference*, June 21-22, 2013, Guangzhou, China.
15. Guoqiang Shen, "On Organizational Science and Leadership Theory and Practice: Evidence from Chinese and American Urban Planning", *8th IACP Conference*, June 21-22, 2013, Guangzhou, China.
16. Guoqiang Shen, "Estimating US-China Inter-Urban Import-Export Freight Using Spatial Interaction and Network Models", *7th IACP Conference*, June 19-21, 2013, Shanghai, China.
17. Guoqiang Shen, "A Statistics and Scenario Analysis of National and Mega-City Economics of International Freight", *3rd IFSPA*, June 3-5, 2013, Hong Kong.
18. Guoqiang Shen and Carol Wang, "A Multi-Level and Multi-Mode Freight Movement Model", *ACSP National Conference*, 2012, Nov.1-4, Cincinnati, OH.
19. Guoqiang Shen, "A Spatially Scalable Model for Global Freight Transportation", *INFORMS*, June 24-27, 2012, Beijing, China.
20. Guoqiang Shen, "Statistics and Visualization of Freight for International Trade Between China and USA during 1998-2008: The Roles of China's Mega Regions, Cities, and Ports", *6th IACP Conference*, June 17-19, 2012, Wuhan, China.
21. Guoqiang Shen, "Urban Economic Transition from Low-Tech to High-Tech: The Case of High-Tech Zones and Districts in Selected Chinese Cities", *6th IACP Conference*, June 17-19, 2012, Wuhan, China.
22. Guoqiang Shen and Jiahui Wang, "An Exploratory Analysis and Visualization of U.S. Global Trade Patterns through Maritime Freight Movement between U.S. Ports and World Ports: 1998-2008", *International Form on Shipping, Ports and Airports*, May 27- 30, 2012, Hong Kong.
23. Guoqiang Shen, "Small but Sustainable: A Review of Selected Urban Planning and Design Practices in China", *8th International Conference on Environmental, Cultural, Economic and Social Sustainability*, Jan. 10-12, 2012, Vancouver, Canada.
24. Guoqiang Shen, "A Sino-US Comparative Analysis of Sustainability in Single Family Residential Neighborhood Planning and Home Design", *6th International Conference on Design Principles and Practices*, Jan. 20-22, 2012, UCLA, CA.

25. Kamath, M., Srivathsan, S., Ingalls, R.G., and Shen, G. And Pulat, P.S. "TISCSoft: A Decision Support System for Transportation Infrastructure and Supply Chain System Planning", 44th Hawaii International Conference, Jan. 4-7, 2011, Hawaii.
26. Guoqiang Shen, "Local Views of Global Freight Transportation Movement: The Space and Flow of U.S. Import and Export Commodities", 2011 Spaces and Flows: Second International Conference on Urban and Extra Urban Studies, Monash University Prato Centre, Nov. 17-18, 2011, Prato, Tuscany, Italy.
27. Guoqiang Shen, "Urban Planning System and Process: The Emerging Chinese Way", ACSP 52nd Annual Conference, Oct. 13-16, 2011, Salt Lake City, UT.
28. Guoqiang Shen, P.S.Pulat, Jiahui Wang, "International Trade Patterns Unveiled from Ocean Freight Movement Between U.S. Ports and Foreign Ports during 1998-2008", 4th National Urban Freight Conference, Oct. 12-14, 2011, Long Beach, CA.
29. Guoqiang Shen, P.S.Pulat, R. Ingalls, M. Kamath, G.Adyin, and Jiahui Wang, "Quick Response Mathematics for Aggregated Freight Transportation Modeling: Model Formations and Issues", 4th National Urban Freight Conference, Oct. 12-14, 2011, Long Beach, CA.
30. Guoqiang Shen, "The Urban and Regional Planning System and Process: The Emerging Chinese Way", World Planning Schools Congress, July 4-8, 2011, Perth, Australia.
31. Guoqiang Shen, "Macro Factors of Rampant Residential Real Estate Speculation and Bubble in Large Chinese Cities: 1980-2010", World Planning Schools Congress, July 4-8, 2011, Perth, Australia.
32. Guoqiang Shen, "Exploratory Analysis and Visualization of Global-Local Freight Transportation Flows Using Data Mining, Optimization, and GIS", World Planning Schools Congress, July 4-8, 2011, Perth, Australia.
33. Guoqiang Shen, "Globalization, Urbanization, Low-Carbon and a Multi-Level and Multi-Mode Freight Movement Model for Transportation Planning", World Planning Schools Congress, July 4-8, 2011, Perth, Australia.
34. Guoqiang Shen, "Global Freight Flow Movement: A U.S. View of International Freight Transportation Flows Using Data Mining, Optimization, and GIS", 5th IACP Conference, June 16-18, 2011, Beijing, China.
35. Guoqiang Shen, "The Emerging Chinese Urban and Regional Planning System and Process", 5th IACP Conference, June 16-18, 2011, Beijing, China.
36. Guoqiang Shen, "A Comparative Analysis of Residential Subdivision Planning and Home

Design in Chinese and American Cities: The Case of Single-Family Homes”, 5th IACP Conference, June 16-18, 2011, Beijing, China.

37. Ingalls, R., M. Kamath, P.S. Pulat, and G. Shen, 2009. “Freight Flow Model Development for Oklahoma,” Spring 2009 CELDi Research Meeting, April 2009, Charlotte, NC.
38. Guoqiang Shen, 2009. "Issues of Freight Flow Movement Modeling", 3rd National Urban Freight Conference, Oct. 12-14, 2009, Long Beach, CA.
39. Guoqiang Shen, 2009. "A Binary Mode-Choice Model for Cereal Grains Movement in USA", 3rd National Urban Freight Conference, Oct. 12-14, 2009, Long Beach, CA.
40. Srivathsan, S., P. Sittivijan, M. Kamath, G. Shen, C. Ojha, and G.A. Aydin. 2008. “Freight Movement Model for Oklahoma: Methodology and Applications,” INFORMS Annual Meeting, October 2008, Washington, DC.
41. Guoqiang Shen, 2007. "A Multi-Mode and Multi-Level Freight Flow Model and Its Applications", 2nd National Urban Freight Conference, Dec. 4-7, 2007, Long Beach, CA.
42. Ayodhiramanujan, K., R. Ingalls, M. Kamath, S. Pulat, G. Shen, 2006, “Freight Movement Model Development for the State of Oklahoma,” INFORMS Annual Meeting, Pittsburg, PA.
43. Guoqiang Shen, 2006. “A Two-Stage Freight Flow Movement Model for Oklahoma”, GIS-T Conference, March 26-29, 2006, Columbus, OH.
44. Ayodhiramanujan, K., R. Ingalls, M. Kamath, S. Pulat, G. Shen, and Y. Yavuz, 2005, “Freight Movement Model Development for the State of Oklahoma,” INFORMS Annual Meeting, San Francisco, CA.
45. Kumar, N., S. Pulat, G. Shen, R. Ingalls, and M. Kamath, 2004, “Database and software application in freight planning,” IIE Conference, May 15-19, 2004, Houston, TX.
46. Pulat, S., G. Shen, N. Kumar, R. Ingalls, M. Kamath, Y. Leow, and K. Ayodhiramanujan, 2004, “Development of a freight movement model for Oklahoma,” IIE Conference, May 15-19, 2004, Houston, TX.
47. Guoqiang Shen, Ricki Ingalls, Simin Pulat, and Manjun K., 2004. “A Regional Freight Flow Movement Model: Concepts & Formulations”, IIE Conference, May 15-19, Houston, TX.
48. Guoqiang Shen, Ricki Ingalls, Simin Pulat, and Manjun K., 2004. “Software and Database Review of Freight Transportation in the United States”, IIE Conference, May 15-19, Houston, Texas.
49. Guoqiang Shen, 2001. “Single-Family Housing Neighborhoods in China: Issues in Planning,

Design, and Development”, Invited Speaker, US National Home Builder Association’s 2nd International Conference, World Focus on Housing, July 6-9, Shanghai, China.

50. Guoqiang Shen, 1998. “Manufactured Housing and Community Development Issues: Zoning, Design, and Value Impact”, North Carolina/South Carolina APA/ASLA Annual Meeting, Sept. 10-12, Charlotte, NC.
51. Guoqiang Shen and Jean-Michel Guldmann, “A General Mixed-Integer Nonlinear Optimization Model for Hub Network Design”, the 44th Norman American Meeting of the Regional Science Association International (RSAI), Nov. 6-9, 1997, Buffalo, NY.
52. Guoqiang Shen, 1997. “A Spatial and Temporal Analysis of Urban Housing in China”, 43rd International Sociological Association Conference on Housing and Built Environment, June 11- 14, Alexandria, VA.
53. Guoqiang Shen, 1997. “Internet GIS and Mapping: A Concise Exploration”, Technology and Teaching: Southeast Regional Technology Conference’97, April 17-18, Greenville, NC.
54. Guoqiang Shen, 1996. “QTVR Aided Urban Design and Planning”, in ED-MEDIA ’1996 and ED TEL ECOM’1996 Proceedings on CD-ROM, June 10-13, Boston, MA.
55. Guoqiang Shen, 1996. “Diagnosis and Treatment of Slow GIS Operations from the Software Development Perspective”. Proceedings of GeoInformatics’96, 134-139, April 24-26, Miami, FL.

SPONSORED PLANNING, DESIGN, AND RESEARCH REPORTS (selected)

1. “600-Acre Land Development and Planning Analysis”, to Home Creations, Norman, Oklahoma, 5/2014, 35 p.
2. “Oklahoma Advanced Lab for Transportation Research, Education, and Outreach”, 10/2013, final report to OTC/OKDOT and OTC, with R. Ingalls, M. Kamath, Tieming Liu, Baski Balasundaram. S. Pulat. 30 p.
3. “Transportation Planning and Logistics Master Certificate Proposal”, 10/2013, final report to OTC/OKDOT, with R. Ingalls, M. Kamath, Tieming Liu, Baski Balasundaram. S. Pulat. 25 p.
4. “Decision Support Systems for Freight Transportation Planning and Supply Chain Management”, 10/2011, final report to OTC/OKDOT, with R. Ingalls, M. Kamath, S. Pulat. 90 p.
5. “Containerized Freight Movement and Port Security”, final report to USDOT/OKDOT and OTC, 10/2010, with S. Pulat. 100 p.
6. “Freight Movement Modeling V: Oklahoma Regional Freight Movement Model and Its

- Results*”, to OTC/OKDOT and OTC, 9/2009, with R. Ingalls, S. Pulat, and M. Kamath. 65 p.
7. “*Freight Movement Modeling IV: Oklahoma Regional Freight Movement Model and Its Results*”, to OTC/OKDOT and OTC, 9/2008, with R. Ingalls, S. Pulat, and M. Kamath.
 8. “*Containerized Freight Flow and Port Security: Literature Review and Model Development*”, to OTC/DOT and OTC, 10/2006, with Simin Pulat, Scott Moses, Yongpei Guan. 56 p.
 9. “*Freight Transportation Model and Forecasts for the Tulsa TMA*”, to Tulsa INCOG, 9/2005, with Simin Pulat. 85 p. with CD-ROM.
 10. “*Freight Movement Modeling III: Oklahoma Regional Freight Movement Model and Its Results*”, to OTC/OKDOT, 9/2004, with Ingalls, Simin, and Manjun, 58 p.
 11. “*Freight Movement Modeling II: Databases and Models for Regional Freight Movement*”, to OTC/OKDOT, 9/2003, with Ingalls, Simin, and Manjun, 52 p.
 12. “*Freight Movement Modeling I: Literature, Software, and Model Review*”, to OTC/OKDOT and OTC, 9/2002, with Ingalls, Simin, and Manjun, 60 p.
 13. “*Comprehensive Plan*”, to City of Piedmont, OK, 5/2002. 58 p.
 14. “*Comprehensive Plan*”, to City of Poteau, OK, 5/2001. 54 p.
 15. “*The Impact of Manufactured Housing on Nearby Residential Properties Revisited: A GIS Approach*”, to Lincoln Institute of Land Policy, 2001, with M. Wubneh, 50 p.
 16. “*Identification and Measurement of Zoning Barriers Related to Manufactured Housing: A Location and Accessibility Analysis*”, to NCMHI, 1999, with R. A. Stephenson, 75 p.
 17. “*The Impact of Manufactured Housing on Adjacent Site-Built Residential Properties: A Technical Report*”, to NCMHI, 1997, with R. A. Stephenson, (Widely cited by the manufactured housing industry and location agencies. Also cited by National MHI’s website). 85 p.
 18. “*Landscape Planning and Design of Mt. Taishan Resort*”, to China’s Ministry of Urban and Rural Development & Environment Protection (MURDEP) and United Nations Educational, Scientific, and Cultural Organization (UNESCO), 1987, with Ninggao Xie, *et al.*, Beijing University, 156 p.
 19. “*Urban Planning and Design for City of Wenzhou*”, to Department of Urban Development, City of Wenzhou, 1986, with Ninggao Xie, *et al.*, Beijing University, 128 p.

20. “*Nanxi River Landscape Planning and Design*”, to City of Nanxi, with Ninggao Xie, *et al.*, Beijing University, 1986, with Ninggao Xie, *et al.*, Beijing University, 143 p.

CREATTIVE ACTIVITIES IN DESIGN AND PLANNING PRACTICE (selected)

Design and Planning Competition Prizes and Entries

1. “*Yanhuang Urban-Village Systems Design Competition*”, with Tongji University and Northwest Design Institute in China, 1st prize (International Design Competition). 2018, Xian, Shanxi Province, RMB 5.0 million awarded.
2. “*Innovative Design Competition – Sky-Villa*”, 3rd prize (Professional and Doctoral Project Competition), 2017, Shaoxing, Zhejiang Province, RMB 2.0 million awarded.
3. “*Smart Freight and Logistics Platform and APP*”, 1st prize (Overseas Doctoral Project Competition), 2017, Nanjing, Jiangsu Province, RMB 5.0 million awarded.
4. “*Design Detroit National Competition*”, directed 6 students at OU, 2014.
5. “*ULI Urban Design Competition*”, directed 5 students at OU, 2015.
6. “*Hangzhou Scenic Highway Plan and Design*”, with ODIN Urban Design and Planning Group, Jan. 2007. International Design Competition for a 12.2 km highway plan and landscape design. 2nd Place.
7. “*Shao Xin Car City Development Plan and Design*”, Jan-Feb. 2007. International Design Competition for 1.2 sqkm car-dealership district, 2nd place.
8. “*Mt. Taishan Tourist District Master Plan and Urban Design Guidelines*”, in Shandong Province, with ODIN Urban Design and Planning Group, China, Feb. – August, 2004 (1st prize out of 12 invited submissions, 30 square kilometers region, 20+ key facilities, buildings, parks, hotels). International Planning Competition, 1st Place.
9. “*Mt. Taishan Landscape Corridor Redevelopment Planning and Design*”, in Shandong Province, with ODIN Urban Design and Planning Group, China, March – June, 2004. (350+acres region, plus a visual corridor full of historical attractions). International Urban Design Competition, design entry.
10. “*City of Tai Shan New Town Urban Design and Development Planning*”, in Guangdong Province, with ODIN Design Group, China, 2004. (540-acre district, 10+ buildings including theater, museum, city hall, stadium, coliseum and parks), International Urban Design Competition, 2nd prize.
11. “*Tokyo International Forum Design Competition*”, with Zhongyi He, *et al.*, Beijing Institute of Civil Engineering and Architecture, 1990. (UIA honorable mention prize, published in a

special collection of selected design submissions by UIA Tokyo Chapter).

12. “*Chinese Village in London, England*”, with Wang Yun, *et al.*, Beijing Institute of Civil Engineering and Architecture, 1989. International Design Competition, Conceptual Entry.
13. “*National Memorial Monument Design Competition*”, 2nd national design competition prize, with Li Wei, *et al.*, Tsinghua University, 1985. (A summary of this design was published in *Journal of Architecture*, 1985, Vol. 5, No. 6, 34-39).
14. “*Yellow Temple Hotel Design*”, with Shaosue Hu, *et al.*, Tsinghua University, Beijing, 1985. (Constructed in Beijing in 1986).
15. “*Medium-Sized Coliseum Design Competition*”, 3rd place, national design competition prize, with Xu Shan, Tsinghua University Beijing, 1984.

Commissioned Design and Planning Projects (selected)

16. “Resort-Senior Housing-Commercial Mixed-Use Development”, Taiyuan, Shanxi Province, 1000-Acre Conceptual Scheme, with 2 partners in China, 2017.
17. “*Jing-Tian Upscale Villa Plan and Club House Design*”, with LEAP Design Consultants and selected American architecture firms, Spring 2010. Commissioned residential plan and architecture design by a local real estate developer in Hangzhou, China (500-acre development plan, large single family houses, and neighborhood club house).
18. “*Southern China Pearl Garden Neighborhood Subdivision Plan and Landscape Design*”, with LEAP Design Consultants and two selected American landscape architecture and design firms, Spring, 2009. Commissioned project by a local real estate developer in Hangzhou, China (250 acres with single family, garden high-rise apartments, and commercial-office complex).
19. “*Shi-Jia-Zhuang New Development Plan and Design*”, 2008-2009, with LEAP Design Consultants. Commissioned project for a developer in Shijiazhuang, Hebei, China (3,000mu housing, commercial, and office urban design and development project).
20. “*Yang Ma Island Residential and Hotel Planning and Design*”, with LEAP Design Consultants, 2008. Commissioned project with a developer in Yantan, Shandong, China (housing with hotel mix).
21. “*Rose Garden Villa Plan and Design, Urumqi, Xinjiang, China*”, with LEAP Design Consultants, August, 2006 – Jan. 2007. Contracted project with China’s 2nd largest builder Greentown Development in Hangzhou (10 model villa designs with 88-home Phase III subdivision revision and landscape design).

University Outreach Design and Planning Projects

22. “*Comprehensive Plan and Urban Design Analysis*”, for City of Poteau, Oklahoma, 2002.
23. “*Comprehensive Plan and Urban Design Analysis*”, for City of Piedmont, Oklahoma, 2001.
24. “*Conceptual Site Design and Planning for Hebei Hi-Tech Park*”, Hebei Province, 1997.
25. “*Landscape Planning and Design of Mt. Taishan Resort*”, with Ninggao Xie, *et al.*, Beijing University, 1987. (received recognition from UNESCO World Heritage Commission, partially due to this plan, Mt. Taishan was designated as the first cultural and natural heritage site in China).
26. “*Nanxi River Landscape Planning and Design*”, with Ninggao Xie, Beijing University, 1986.
27. “*Planning and Urban Design for City of Wenzhou*”, with Ninggao Xie, *et al.*, Beijing University, 1986.

PH.D. DISSERTATION, 3/1998

“*Hub-and-Spoke Network Design: Model Formulations and Numerical Analyses*” A general hub location and network design model was developed using applied operations research, computer application, transportation planning, and facility location theories/models. This mode was formulated as a mixed integer non-linear program taking account of network cost, congestion, hub queuing process, and network reliability. The model is solved with linear heuristics algorithms and simulated with a set of economic scales for hub-hub connections.

TEACHING (past and present undergraduate, master, and doctoral level courses)

Urban Design Seminar, Sustainable Urban Design, Urban Economic Development, Urban Planning Research Methods, Mapping and GIS in Planning, Advanced GIS, Urban Real Estate Development, Comprehensive Plan Studio, Transportation and Land Development, Urban Transportation Planning, Urban Infrastructure and Facilities, Plan Implementation, Zoning and Regulation, Housing and Housing Economics, Sustainable Metropolitan and Plan-Making.

ADVISING (400+ bachelors, 200+ masters, and 20+ doctoral students, including as advisers and as committee members) at East Carolina University, University of Oklahoma, and University of Texas Arlington.

Students at Bachelor, Masters, and Ph.D. levels from multi-disciplines, mostly in Regional and City Planning, Landscape Architecture, Geography, Civil Engineering, Industrial and Systems Engineering, Sociology, Public Policy, Fine Arts, Economics, and Business.

STUDY ABROAD

Led 300+ college students (mostly from OU) to China through my Study Abroad in China course: *Chinese Architecture, Landscape Architecture, and Cities*. This is a multi-week travel and general education course open to college students at all levels.

PROFESSIONAL AND CONSULTING SERVICE

International (selected):

1. *Summer visiting professors or outside Ph.D. advisers*, to more than ten Chinese universities, including Beijing University (Shenzhen Graduate School, Urban Planning and Design), Qinghua University (Shenzhen Graduate School, Transportation and Logistics), Zhejiang University (Architecture), Tianjin University (Urban Planning and Design), Zhejiang University of Finance and Economics (Regional Planning), Zhejiang University of Technology (Urban Planning), South Central University (Architecture), Beijing Forestry University (Landscape Architecture), City University of Macao (Innovation and Design), and Zhongshan University (Planning), 2012-Present.
2. *President and Founder*, Sky-Villa Design and Technologies, China and USA, 2016-Present.
3. *President and Co-Founder*, LEAP Design Consultants, LLC, Hangzhou, China, 2006-2016.
4. *Senior Consultant*, ODIN Urban Design and Planning, Hangzhou, China, 2004-2008.
5. *Planning Consultant*, to Beijing CIIC Design & Planning Group, China, 2002-2003.

National (selected):

1. *Reviewer*, to more than 50 external faculty promotion and tenure cases, 2005-Present.
2. *Reviewer*, to more than 20 academic journals in architecture, urban planning, design, engineering, and other social sciences, 2002-Present.
3. *Panelist*, National Academy of Sciences and Transportation Research Board (NAS/TRB): Freight Transportation Panels, 2008-Present.
4. *Jury*, ACSP Gill-Chin Lim Award Committee for Best Ph.D. Dissertation on International Planning, 2013-2016.
5. *Invited Speaker*, USA National Home Builders Association, Shanghai, China, 11/2001.
6. *Invited Seminar Speaker*, Lincoln Institute of Land Policy, 3/2002.

State (selected):

1. *Faculty Adviser*, 100 Resilient Cities Program, City of Dallas, Texas, 2018-Present.
2. *Vice President*, Oklahoma Chinese Professionals Association, 2013-2018.
3. *Vice President*, Chinese Faculty and Expert Association of Southern States in America, 2012-Present
4. Governor's EDGE Panelist, 2002-2008, 2009-2015.
5. *GIS/CAD Instructor*, North Carolina Summer Planning Institute, 1996, 1998.
6. *Steering Committee Member*, NC Geographic Information Systems Conference, 1996-1988.
7. *Oklahoma Governor's EDGE Expert*, on Infrastructure and Logistics Regents of Higher Education, State of Oklahoma, 8-12/2003
8. *Oklahoma Governor's EDGE Expert*, on International Markets, Regents of Higher Education, State of Oklahoma, 8-12/2003-Present.

University (selected):

1. *Adviser*, Provost's International Working Group, University of Texas at Arlington, 2018-Present.
2. Chair, Tenure and Promotion Committee (for 30+ assistant/associate and 8 full professors, OU and UTA, 2005-Present.
3. *Chair, Faculty Search Committee*, for 20 faculty at OU and UTA, 2005-Present.
4. *Chair*, Regional and City Planning Department, University of Oklahoma, 2005-2009.
5. *Chair of Committee A on Academic Affairs*, College of Architecture, University of Oklahoma, 2009-2018.
6. *Committee member on faculty development, research, tenure and promotion, international exchanges*, University of Oklahoma, 2005-2018.
7. *Co-Director*, OK Advanced Transportation Lab for Research, Education, and Outreach, University of Oklahoma, 2010-2016.
8. China Outreach Co-Director, University of Oklahoma, 2009-2015.
9. *China Regional Committee Member*, University of Oklahoma, 2009-2018.
10. *OU CDRP/APR Review Committee*, University of Oklahoma, 2003-2006, 2013-2014
11. *OU Research Committee Member*, University of Oklahoma, 2000-2003, 2013.

12. *OU Graduate Council Member*, University of Oklahoma, 2003-2006.
13. *East Asia Committee Member*, University of Oklahoma, 2000-2018.
14. *Affiliate Faculty*, International and Area Studies, University of Oklahoma, 2000-2018.
15. *Adjunct Professor*, School of Industrial and Systems Engineering, College of Engineering, University of Oklahoma, 2009-2018.
16. *Affiliate Faculty*, Institute of US-China Issues, University of Oklahoma, 2006-Present.
17. *Affiliate Faculty*, Confucius Institute, University of Oklahoma, 2006-Present.
18. *Faculty Leader*, Journey to China Program, International Office, University of Oklahoma, May 20-June 22, 2004 (led 32 OU students to China for 32 days to Beijing University, Fudan University, Yuan Normal University, and Xian Foreign Language University).
19. *Co-Director*, China Outreach Institute, University Oklahoma Outreach, 2009-2013.
20. *Study Abroad in China Travel Course Faculty*, University of Oklahoma, 2005-Present (led 300+ American college students to China – Beijing, Shanghai, Yunan, Xian, and Hong Kong).

College/Department (selected):

1. *Director*, Planning Program, College of Architecture, Planning, and Public Affairs, 1/15/2018-Present. Responsible for program operation and development, including welfare of faculty, staff, student, and alumni, accreditation, personnel, curriculum, fundraising, etc.
2. *Director*, Division of City and Regional Planning, College of Architecture, University of Oklahoma, 6/2005-6/2009. Set enrollment record, established several scholarships, chaired alumni conference, and ensured accreditation.
2. *COA Committee A Member/Chair*, 2009-2018. Responsible for faculty affairs, dean's evaluation, college policies and procedures and academic affairs.
3. *COA International Studies Committee*, 2010-2013, responsible for international agreements and travel courses.
4. *COA Scholarships Committee*, 6/2005-6/2009, responsible for raising and distributing student scholarships.
5. *COA Computer and Technology Committee*, 2008-2010, 2015, responsible for IT equipment and facilities.

Private (selected):

1. *Urban Planning and Design Consultant*: to various cities, developers, builders, and engineering firms in China, 2006-Present.
2. *Site Design & Land Use Review Consultant*, to Delphin Properties, LLC, Charlotte, NC, 1999.
3. *GIS Database Building Consultant*, to DDC Engineers, Inc., Myrtle Beach, SC, 3/1999.

CURRENT ACADEMIC AND PROFESSIONAL INTERESTS

1. *Sustainable and Resilient Planning and Design (in Architecture, Landscape Architecture, and Urban Planning)*: comprehensive plan, urban design and physical planning, land use, real estate and urban economics, growth management, smart cities, urban resiliency and sustainability studies, urban spatial structure, landscape ecology, critical infrastructures and building systems.
2. *Housing and Real Estate Development*: housing policy, housing design and residential neighborhood planning, next generation homes for all, real estate finance, investment, and development.
3. *Analytical Methods and Models*: applied operations research, regional science, statistics, big-data, spatial analysis to theoretical/empirical issues in design, planning, and public policy.
4. *GIS/Computer Tools*: GIS/CAD/BIM, database, image processing, remote sensing, and integrated visualization, and digital fabrication applications in design, planning, and public policy.
5. *Transportation Planning and Logistics*: network design, facility location, transportation planning and system analysis, transportation-land use-energy interaction, freight transportation.
6. *International Planning, Development, and Public Policy Studies*: theories and practices of urban planning, urban studies, and public policy in China, Asia, and North America.