

# MING ZHANG

## ADDRESSES

### Contact Info

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### Mailing Address

The University of Texas at Austin  
School of Architecture  
310 Inner Campus Drive Stop B7500  
Austin, TX 78712-1009

## EDUCATION

### Massachusetts Institute of Technology (MIT), Cambridge, MA, USA

Ph.D. in Urban and Regional Planning  
Master of Science in Transportation

### State University of New York (SUNY), Albany, NY, USA

Graduate Certificate in GIS & Spatial Analysis  
Master of Regional Planning

### Tsinghua University, Beijing, China

Master of Engineering (Urban Planning & Design)  
Bachelor of Engineering (Architecture)

## AREAS OF RESEARCH AND TEACHING

Urban and Regional Planning (minor in Transportation)  
Urban Spatial Structure and Travel Behavior  
GIS Applications  
International Development

## PROFESSIONAL REGISTRATION

AICP, 2006-present, American Institute of Certified Planners (ID# 021595)

## EMPLOYMENT

### Academic Appointments

**Professor** (2017- present), **Associate Professor with Tenure** (2009-2017; on leave spring 2012, 2013-2014), **Assistant Professor** (2004-08); **Graduate Advisor** (2009-12)  
Community & Regional Planning Program, University of Texas at Austin, USA.

**Director** (2016-present), USDOT University Transportation Center (Tier-1) Cooperative Mobility for Competitive Megaregions, Austin, TX, USA. The Center is a consortium of University of Texas at Austin, University of Pennsylvania, Texas Southern University, and Louisiana State University.

**Faculty Researcher** (2004-present), Center for Transportation Research, University of Texas at Austin, USA.

**Guest Professor and Guest Dean** (2010-2014), **Adjunct Professor** (2015-18)  
School of Urban Design, Wuhan University, Wuhan, Hubei, China.

**Assistant Professor (2001-04)**

Department of Landscape Architecture & Urban Planning, Texas A&M University, College Station, TX, USA. **Chair faculty:** Transportation Emphasis Area in the Urban Planning Program.

**Research Scientist** (1995-96), **Research Specialist** (1994-95)

Urban Studies Group, The Nelson A. Rockefeller Institute of Government, Albany, New York, USA.

**Associate Professor** (1993), **Assistant Professor** (1988-92)

Department of Architecture, Huazhong (Central China) University of Science & Technology, Wuhan, Hubei, China. **Head:** Urban Planning Group, 1990-1993.

## Other Positions

**Instructor** (2006-12, 2014-2015)

Lincoln Institute of Land Policy/International Training Center for Land Policies and Studies, Taiwan.

**Graduate Instructor/Teaching Assistant** (1996-2001)

Department of Urban Studies & Planning, MIT, Cambridge, Massachusetts 02139, USA.

**Graduate Student Researcher** (1996-2001)

Center for Transportation Studies and the Department of Urban Studies & Planning, MIT, Cambridge, Massachusetts, USA.

**Licensed Planner and Architect** (concurrent posts, 1988-1993)

Architectural Institute, Huazhong (Central China) University of Science & Technology, Wuhan, Hubei, China.

## RESEARCH GRANTS

### Funded Research: External

1. Megaregional Trends of Passenger and Freight Movements: Updated Evidence from National Transportation Data Sources. Funded by USDOT UTC Center for Data-Supported Transportation Operations and Planning (D-STOP). \$55,000. 2017-18 (P.I.).
2. Cooperative Mobility for Competitive Megaregions (CM2). Funded by USDOT. US\$7,700,000. 2016-2022. (P.I.).
3. Apply Cloud-Computing and Crowd-Sourcing Technologies to Develop Smart Planning Support Systems for Plan Making and Management for Small/Medium City-Regions. Funded by China Ministry of Science and Technology “The 12<sup>th</sup> Five-Year Plan National Development Program #2015BAJ05B00.” RMB 6,260,000 (~US\$1,000,000). 2015-18 (P.I.).
4. Develop Key Applications for Hazard Reduction and Prevention for Towns and Villages Using 3S (Remote Sensing, GPS, and GIS) Technologies. Funded by China Ministry of Science and Technology “The 12<sup>th</sup> Five-Year Plan National Development Program #2014BAL05B07.” (Qinming Zhan as project P.I. with a total grant of RMB 6,280,000 (~US\$1,000,000)). Sub-award RMB 800,000 (~US\$128,000). 2014-17 (Sub-award P.I.).
5. Apply Genetic Algorithms to Optimize Land Use Planning for Corridor Transit-Oriented Development Based on Sustainability Principles. Funded by the National Science Foundation of China #51278395. RMB 800,000 (~US\$128,000). 2013-15 (P.I.).
6. Planning, Urban Management and Heritage: International Research Staff Exchange Scheme, FP7-PEOPLE-2011-IRSES. Funded by European Commission (Grant 295045). Euro 350,000 (~US\$450,000). 2012-16 (Co P.I. with John Pendlebury at Newcastle University upon Tyne as project P.I.).
7. Identify the Local and Regional Travel Effects of Activity Centers in the Austin, Texas area. Funded by USDOT Southwest Region University Transportation Center. \$61,900. 2012-15 (P.I.).
8. Case Study for Project “Create GIS-Based Model of Social, Economic, and Environmental Outcomes to Transit Oriented Developments and Transit Corridors” (Arthur C. Nelson as project P.I. with a total grant of \$1,551,500). Funded by US HUD through the University of Utah. Sub-award \$22,500. 2012-14 (Sub-award P.I.).
9. Wuhan Spatial Development Strategies in the Era of High-Speed Rail. Funded by Wuhan Land Resources and Urban Planning Bureau, Wuhan, Hubei, in support of Wuhan HSR case study and Wuhan University-UT Austin Joint Planning Workshop in summers of 2012 and 2013. RMB 600,000 (~US\$95,000) (P.I.).
10. Development of an Analytical Tool for Sustainable Communities Regional Planning. Funded by US DOT/EPA/HUD. \$2,159,660. 2011-14 (Co P.I., with Robert Paterson as project PI).

11. Future Mobility Demand in Megaregions: A National Study with a Focus on the Gulf Coast. Funded by USDOT Southwest Region University Transportation Center. \$64,285. 2011-13 (P.I.).
12. Potential Value Extraction from TxDOT's Right of Way and Other Property Assets. Funded by Texas Department of Transportation. \$163,000. 2010-11 (Co P.I., with Sharada Vadali as project P.I.; Sub-award P.I.).
13. Understanding Emerging Commuting Trends in a Weekly Travel Decision Frame -- Implications for Megaregion Transportation Planning. Funded by USDOT Southwest Region University Transportation Center. \$30,000. 2010-11 (P.I.).
14. Mega-Region Freight Issues in Texas: A Synopsis. Funded by Texas Department of Transportation. \$202,000. 2010-12 (Co P.I., with Rob Harrison as project P.I.).
15. Planning Tools to Assess the Real Estate Leveraging Potential for Roadways and Transit. Funded by Texas Department of Transportation. \$148,000. 2009-10 (Co P.I., with Sharada Vadali as project P.I.; Sub-award P.I.).
16. Getting the Parking Right for Transit-Oriented Development. Funded by USDOT Southwest Region University Transportation Center. \$30,000. 2009-10 (P.I.)
17. Role of Transportation in Employment Outcome of the Disadvantaged. Funded by US National Science Foundation Doctoral Dissertation Research Grant (Doctoral Student: Mr. Chang Yi). \$6,952. 2008-10 (P.I.)
18. Trip Internalization and Mixed-Use Development: A Case Study of Austin, TX. Funded by USDOT Southwest Region University Transportation Center. \$30,000. 2008-09 (P.I.)
19. CAMPO Transit Oriented Development Study. Funded by Capital Area Metropolitan Planning Organization (CAMPO), Austin, TX. \$45,000. 2008-09 (P.I.)
20. Future Travel Demand and its Implications for Transportation Infrastructure Investments in the Texas Triangle. Funded by USDOT Southwest Region University Transportation Center. \$36,000. 2007-08 (P.I.)
21. Land Use-Transportation Integration: A National Survey Design in China. Funded by the Lincoln Institute of Land Policy, Cambridge, MA. \$10,000. 2007-08 (P.I.)
22. Mixed-Use Development and Vehicle Trips: Improved Estimation Methodology. Funded by the U.S. Environmental Protection Agency (EPA) and the Institute of Transportation Engineers (ITE). 2007-08 (Under subcontract with Fehr & Peers Transportation Consultants). Sub-award \$10,000. 2007-08 (Sub-award P.I.)
23. Simulating Land Use impacts of Highway Development in the Texas Triangle. Funded by USDOT Southwest Region University Transportation Center. \$38,600. 2006-07 (P.I.)

24. The Mayor's Institute on City Design Workshop. Funded by American Architectural Foundation. \$53,000. 2006 (Co-P.I., with Dr. Robert Paterson as P.I.)
25. Concept Plan for City of Suizhou Comprehensive Plan, Suizhou, Hubei Province, China. In collaboration with the Central China University of Science & Technology (HUST). Funds used to support UT students and faculty for the Third HUST-UT Planning Workshop in China. \$12,700. 2007. (P.I. from the UT Austin side)
26. Cost Characteristics and Land Use Impacts of Bus vs. Rail Mass Rapid Transit. Funded by the Lincoln Institute of Land Policy, Cambridge, MA. \$25,000. 2006-07 (P.I.)
27. Study for Comprehensive Plan Revision for the City of Guangshui, Hubei Province, China. Funded by the City Government of Guangshui, China. In collaboration with the Central China University of Science & Technology (HUST). Funds used to support UT students and faculty for the Second HUST-UT Planning Workshop in China. \$11,000. 2006. (P.I.)
28. Can TOD Reduce Austin's Congestion? Funded by the Southwest Region University Transportation Center. \$22,000. 2005-06. (P.I.)
29. Value Capture and Land Redevelopment in Rail Transit Station Areas: A Case Study of the Asian Experience with a Focus on Chinese Cities. Funded by the Lincoln Institute of Land Policy, Cambridge, MA. \$20,000. 2004-05 (P.I.)
30. Study for Comprehensive Plan Revision for the City of Ji'an, Jiangxi Province, China. Funded by the City Government of Ji'an, China. In collaboration with the Central China University of Science & Technology (HUST). Funds used to support UT students and faculty for the First HUST-UT Planning Workshop in China. \$23,300. 2005. (P.I. from the UT Austin side)
31. Implementing the Texas congestion index. Funded by Texas Department of Transportation. \$90,000. 2004 (Co-P.I., with Tim Lomax as P.I.).
32. Texas congestion index: Measurement concept and Phase I estimates. Funded by Texas Department of Transportation. \$50,000. 2003 (Co-P.I., with Tim Lomax as P.I.).
33. The Urban Minority Neighborhood Study. Funded by the Rockefeller Foundation, the Annie E. Casey Foundation and the Pew Charitable Trusts. \$500,000. 1995-1996. (with Dr. Richard Nathan as the P.I.)
34. Empowerment Zone/Enterprise Community Initiative Assessment. Funded by the U.S. Department of Housing and Urban Development. \$200,000. 1996. (with Dr. Richard Nathan as the P.I.)

### **Funded Research: Internal**

35. A Statewide Strategy for Transit-Oriented Development in Texas. Funded by Center for Sustainable Development at the University of Texas at Austin. \$25,000. 2017-18 (P.I.).

36. Explore Co-Modality Strategies to Meet Future Mobility Demand in the Texas Triangle Megaregion. Funded by Center for Sustainable Development at the University of Texas at Austin. \$20,000. 2016-17 (P.I.).
37. Travel Demand and Supply in Megaregions. The University of Texas Faculty Development Grant "Faculty Research Assignment (FRA)". \$49,500. 2012-13 (P.I.).
38. International Sustainable Transportation. Multi-year Snell Endowment grants from Center for Sustainable Development at the University of Texas at Austin. \$107,000. 2009-15 (P.I.).
39. Understanding the Contextual Effects of Urban Form on Travel Mode Choice for Non-work Trips: A Multi-level Analysis. Hogg Endowment for Urban Governance, UT Austin. \$6,500. 2007-08 (P.I.).
40. Residential Location, Physical Activity, and Urban Form: An Empirical Study of Three Neighborhoods in Houston, TX. Hogg Endowment for Urban Governance, UT Austin. \$6,500. 2006-07 (P.I.).
41. Cul-de-Sac or Checker-Board: What Do We Want? Hogg Endowment for Urban Governance, UT Austin. \$6,500. 2005-06. (P.I.)
42. The Practice and Potential of Transit Oriented Development: A Study of the Asian Experience with a Focus on Chinese Cities. The University of Texas Faculty Development Grant "Summer Research Assignment (SRA)". \$19,800. 2005 (P.I.).
43. Understanding Organizational and Technological Capabilities in Public and Private Planning Agencies in Texas for Applications of GIS/PSS to Practice and Decision Making. Funded by the College of Architecture Research and Interdisciplinary Council, Texas A&M University. \$7,500. 2003. (Co-P.I., with Doug Wunneburger P.I.).
44. A Pilot Study Exploring the Time-Space Relations between Physical (In)activity and Community Environmental Characteristics for American Youth. TAMU Children, Youth, and Family Initiative Seed Grant. \$12,000. 2003-04 (P.I.).
45. Developing Performance Measures for Walking and Biking for Multi-Modalism: A Case Study of TAMU Campus Transportation Services. Funded by the College of Architecture Research and Interdisciplinary Council, Texas A&M University. \$5,000. 2002. (P.I.).
46. Modeling Automobile Dependence – A Case Study of Houston. Funded by the College of Architecture Research and Interdisciplinary Council, Texas A&M University. \$5,000. 2001. (P.I.).
47. Urban Growth Fringe--Planning and Management. Funded by the Central China University of Science and Technology Funds. RMB20,000 (US\$3,000). 1993. (P.I.).

### **Funded Research as Graduate Researcher**

48. MIT Cooperative Mobility Program. Funded by the World Business Council for Sustainable Development. Approximately \$160,000 annually. 2000-2001 (with Professors Daniel Roos and Ralph Gakenheimer as the P.I.s).
49. Hong Kong & the Pearl River Delta (HK/PRD) Regional Development Strategies. Funded by the Hong Kong Trade Development Council. Approximately \$150,000. 1999-2000 (with Professors Tunney Lee and Ralph Gakenheimer as the P.I.s).
50. The Interactive Effects of Telecommunications and Transportation on Residential Location Flexibility and Choice. Funded by New England University Transportation Center/U.S. DOT. \$50,000. 1999 – 2000. (with Professor Qing Shen as the P.I.).
51. Tren Urbano's Potential Impacts on Urban Form and Accessibility. Funded by MIT-UPR Tren Urbano Project. Approximately \$100,000. 1996-1998 (with Professor Nigel Wilson as the P.I.).

## SCHOLARSHIP

### Books

1. Kawakami, M., Shen, Z., Pai, B., Gao, X. and Zhang, M. (eds.) 2012. *Spatial Planning and Sustainable Development: How to Achieve a Sustainable Urban Form in Asian cities?* Springer: Tokyo.  
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2. Zhang, M. and Li, X. 2018. *Design and Implementation of Planning Support Systems Based on Cloud-Computing and Mobile Devices for Smart Urbanization in Small/Medium City-Regions* (in Chinese). China Architecture & Building: Beijing (Contracted. Forthcoming December, 2018). (Grant Project: China Ministry of Science & Technology 12<sup>th</sup> Five-Year National Development Program #2015BAJ05B00.)
3. Zhang, M., Xu, T., and Li, X. 2017. *Typological Analysis of and Planning Guidelines for Transit Oriented Development* (in Chinese). China Architecture & Building Press: Beijing (In press. December, 2017). (Grant Project: National Science Foundation of China #51278395.)
4. Zhang, M., Sun, Y., Ding, C., and Li, W. 2015. *Urban Development Models Based on Land Use-Transit Integration: International Examples and China Practice* (in Chinese). China Architecture & Building Press: Beijing (ISBN 978-7-112-19025-6(28271)). (Grant Project: National Science Foundation of China #51278395.)

### Publications by Research Streams

#### ***Built Environment and Travel: Connecting Design Ideas with Engineering Practice***

*Referred Articles in Journals and Conference Proceedings, Books, and Book Chapters*

5. Zhang, M. and Zhang, W. When context meets self-selection: The built environment-travel connection revisited. Forthcoming in *Journal of Planning Education and Research*.
6. Choi, K. and Zhang, M. 2017. The impact of metropolitan-level, county-level, and local-level built environment on driving emissions in U.S. metropolitan areas: mediator effects of vehicle travel characteristics. *Journal of Transport Geography*, 64:195-202.
7. Zhang, W. and Zhang, M. 2017. Incorporating land use and pricing policies for reducing car dependence: Analytical framework and empirical evidence. *Urban Studies*. DOI: 10.1177/0042098017720150
8. Choi, K. and Zhang, M. 2017. The net effects of the built environment on household transportation emissions: A case study of Austin, TX. *Transportation Research Part D*, 50:254-268.
9. Zhang, W. and Zhang, M. 2016. The short- and long-term effects of land use on reducing personal vehicle miles of travel: Longitudinal multilevel analysis. *Transportation Research Record: Journal of the Transportation Research Board of the National Academies*, 2500:102-109.
10. Ewing, R., Tian, G., Goates, JP., Zhang, M., Greenwald, M., Joyce, A., Kircher, J., and Greene, W. 2015. Varying influences of the built environment on household travel in 15 diverse regions of the United States, *Urban Studies*, 52(13) 2330-2348.
11. Zhang, M., Pang, H., and Kone, A. 2014. Bridging the gap between the New Urbanist ideas and transportation planning practice. *Transportation Research Record: Journal of the Transportation Research Board of the National Academies*, 2453:109-117.
12. Ewing, R., Greenwald, M., Zhang, M., Bogaerts, M., and Greene, W. 2013. Predicting transportation outcomes for LEED projects. *Journal of Planning Education and Research*, 33(3) 265-279.
13. Zhang, M. 2013. On the cul-de-sac vs. checker-board street network: Search for sustainable urban form. *International Review for Spatial Planning and Sustainable Development*, 1:1-16.
14. Ewing, R., Greenwald, M., Zhang, M., Walters, J., Feldman, M., Cervero, R., Frank, L., Kassa, S., and Thomas, J. 2011. Traffic generated by mixed-use developments – A six region study using consistent built environmental measures. *Journal of Urban Planning and Development, American Society of Civil Engineers*, 3:248-261
15. Pan, H., Shen, Q., and Zhang, M. (*corresponding author*), 2009, Influence of urban form on travel behavior in four neighborhoods of Shanghai. *Urban Studies*, 46(2):275-294.
16. Zhang, M., 2006. Travel choice with no alternatives: Can land use reduce automobile dependence? *Journal of Planning Education and Research*, 25:311-326.
17. Zhang, M. and Kukadia, N., 2005. Metrics of the built environment and the Modifiable Area Unit Problem. *Transportation Research Record: Journal of the Transportation Research Board of the National Academies* 1902:71-79.



18. Zhang, M., 2005. Intercity variation in the relationship between urban form and travel mode choice: Case study of Boston, Portland, and Houston, *Transportation Research Record: Journal of the Transportation Research Board of the National Academies* 1902:55-62.
19. Zhang, M., 2004. The role of land use in travel mode choice: Evidence from Boston and Hong Kong. *Journal of American Planning Association*, 70 (3): 344-361.
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20. Choi, K. and Zhang, M. 2016. Non-linear effects of the built environment on transportation emissions and the potentials and challenges for transportation emission reduction. CD-ROM Proceedings of the 95<sup>th</sup> Annual Meeting of Transportation Research Board of the National Academies, Washington, D.C.
21. Zhang, M. and Lomax, T., 2007. Estimating congesting index at the link level with TransCAD GIS. In Liu, R. (ed.): *The American Society of Civil Engineers (ASCE) Conference Proceedings of the 7th International Conference of Chinese Transportation Professionals*, Shanghai, China. May 2007.
22. Zhang, M. 2003. 'The modifiable area unit problem' in measuring urban form for travel analysis. *Conference Abstracts Proceedings, ACSP-AESOP Third Joint Congress, July 2003, Leuven, Belgium*, p.383.
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23. Wu, Q., Zhang, M., and Yang, D. 2014. Job-housing balance: The right ratio for the right place, In Pan, Q. and Cao, J. (eds.) *Recent Developments in Chinese Urban Planning: Selected Papers from the 8<sup>th</sup> International Association for China Planning Conference*, Guangzhou, China, June 21-22, 2014, Springer, New York.
24. Ewing, R., Quinn-Hurst C., Brown, L., Bogaerts, M., Greenwalk, M., Zhang, M. and Frank, L. 2011. Prediction of transportation outcomes for LEED-ND pilot projects. In Ingram, G. and Hong, Y. (eds.): *Climate Change and Land Policies*, Lincoln Institute of Land Policy, Cambridge, MA, pp. 213-243.
25. Ewing, R., Zhang, M., and Greenwald, M. 2009. School location and student travel: Analysis of factors affecting mode choice in three different metropolitan areas, in Miles, R. (ed.) *School Siting and Healthy Communities: Why Where We Invest in School Facilities Matters*, Michigan State University Press, East Lansing.
26. Zhang, M., 2002. Empirical modeling of automobile dependence in the Boston area. In: Sucharov, L.J., Brebbia, C.A., and Benitez, F.G. (eds.), *Urban Transport III: Urban Transport and the Environment in the 21st Century*. Southampton, UK: WIT Press, pp. 395-404.
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27. Zhang, M., Ding, C., and Cervero, R., 2005. Land use-transportation integration: Smart Growth, urban modeling, and the New Urbanism (in Chinese). *Urban Studies* 12(4): 46-52.
28. Cervero, R., Ding, C., Song, Y. & Zhang, M. 2004. Ten principles of land use-transportation integration: Lessons from international experience (in Chinese). *City Planning Review (Journal of the Urban Planning Society of China)*.

*Working Papers Published in National Database or Other Professional Venues*

29. Zhang, M., Zhang, W., and Pang, H. 2015. Identifying the Local and Regional Effects of Activity Centers in the Austin, Texas area. Research report SWUTC/15/600451-00088-1, College Station, TX: Southwest Region University Transportation Center. Available at URL: <https://trid.trb.org/view.aspx?id=1367015>
30. Zhang, M., Mulholland, K., Zhang, J., and Gomez-Sanchez, A. 2012. Getting the Parking Right for Transit-Oriented Development. Research report SWUTC/12/161027-1, College Station, TX: Southwest Region University Transportation Center. Available at URL: <https://trid.trb.org/view.aspx?id=1144023>.
31. Zhang, M, Kone, A., Tooley, S., and Ramphul, R. 2009. Trip Internalization and Mixed-Use Development: A case study of Austin, Texas. Research report SWUTC/09/169207-1, College Station, TX: Southwest Region University Transportation Center. Available at URL: <https://ntl.bts.gov/lib/32000/32800/32804/169207-1.pdf>.

***Integrated Transit-Land Development and Finance: Plan-/Policy-Making with Empirics***

*Referred Articles in Journals and Conference Proceedings, Books, and Book Chapters*

32. Zhang, M. and Xu, T. 2017. Sustain development-oriented transit through value capture. *ASCE Journal of Urban Planning and Development*. DOI 10.1061/(ASCE)UP.1943-5444.0000383.
33. Yu, H., Pang, H., and Zhang, M. 2017. Value-added effects of Transit-Oriented Development: the Impact of urban rail on commercial property values with consideration of spatial heterogeneity. *Papers in Regional Science*. DOI: 10.1111/pirs.12304.
34. Yu, H., Pang, H., and Zhang, M. 2017. Evaluation of transit proximity effects on residential land prices: an empirical study in Austin, Texas. *Transportation Planning and Technology*. <http://dx.doi.org/10.1080/03081060.2017.1355880>
35. Huang, Z. and Zhang, M. 2017. Estimating LRT peak-hour boarding based on accessibility at station and route levels in Wuhan, China. *Transportation Planning and Technology*. 40(5). DOI: 10.1080/03801060.2017.1314497.
36. Xu, T., Zhang, M. and Aditjandra, P.T. 2016. The impact of urban rail transit on commercial property value: New evidence from Wuhan, China. *Transportation Research A*, 91:223-235

37. Xu, T. and Zhang, M. (*corresponding author*) 2016. Tailoring empirical research on transit access premiums for planning applications. *Transport Policy*, 51:49-60
38. Zhang, M., Meng, X., Wang, L., and Xu, T. 2014. Transit development shaping urbanization: Evidence from the housing market in Beijing. *Habitat International*, 44:545-554.
39. Pan, Q., Pan, H., Zhang, M., and Zhong, B. 2014. The effects of rail transit on property values: A comparison study on the rail transit lines in Houston and Shanghai. *Transportation Research Record: Journal of the Transportation Research Board of the National Academies*, 2453:118-127.
40. Zhang, M. and Wang, L. 2013. The impacts of mass transit on land development in China: The case of Beijing. *Research in Transportation Economics*, 40:124-133.
41. Zhang, M. 2010. Can Transit-Oriented Development reduce Austin's peak-hour congestion? *Transportation Research Record: Journal of the Transportation Research Board of the National Academies* 2174:148-155.
42. Zhang, M., 2009. Bus Versus Rail: Meta-analysis of cost characteristics, carrying capacities, and land use impacts. *Transportation Research Record: Journal of the Transportation Research Board of the National Academies* 2110:87-95.
43. Pan, H. and Zhang, M. (*corresponding author*), 2008. Rail transit impacts on land use: Evidence from Shanghai, China. *Transportation Research Record: Journal of the Transportation Research Board of the National Academies* 2048:16-25.
44. Zhang, M., 2007. The Chinese edition of Transit-Oriented Development. *Transportation Research Record: Journal of the Transportation Research Board of the National Academies* 2038:120-127.
45. Pan, H. and Zhang, M. (*corresponding author*), 2006. Rail transit shaping urban travel and land development: Evidence from Shanghai, China. *Projection: MIT Planning Journal*, 5:27-48.
46. Kim, J. and Zhang, M. 2005. Determining transit impacts on Seoul commercial land values: An application of spatial econometrics. *International Real Estate Review*, 8(1):1-26.
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47. Zhang, M., 2006. TOD or Not TOD: Transit Oriented Development for Land Use-Transportation Integration in Chinese Cities. *Proceedings of the 2<sup>nd</sup> International Symposium on Urban Development and Land Policy in China*
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48. Zhang, M. 2017. A Chinese approach to transit oriented development (TOD). In Chen, C., Pan, H., Shen, Q., and Wang, J. (eds.) *Handbook on Transport and Urban Transportation in China*. Edward Elgar: Cheltenham, UK (forthcoming).

49. Zhang, M. 2017. Urban development along rails in other Asian regions, In Zhang, J. and Feng, Z. (eds.) *Handbook of Transport in Asia*, Routledge (forthcoming).
50. Zhang, M. 2010. Bus vs. rail: Implications for transit oriented development. In Robert A. Meyers (ed.): *Encyclopedia of Sustainability Science and Technology*, Springer, New York.
51. Zhang, M., 2007. Value capture through integrated land use-transit development: Experience from Hong Kong, Taipei, and Shanghai. In Ding, C. and Song Y. (eds.), *Important Issues in the Era of Rapid Urbanization in China*, pp. 29-46, Boston, MA: The Lincoln Institute of Land Policy.

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52. Xu, T. and Zhang, M. 2016. The influence of location development conditions on rail transit value capture: Case study of Wuhan (in Chinese). *Urban Problems*. 9:48-57.
53. Zhang, M., and Liu, J., 2007. Principles of Transit Oriented Development applicable to Chinese cities (in Chinese). *City Planning Forum* 167 (1): 91-96.

*Working Papers Published in National Database or Other Professional Venues*

54. Vadali, S., Aldrete, R., Bujanda, A., Samant, S., Li, Y., Geiselbrecht, T., Kuhn, B., Lyle, S., Dalton, K., Zhang, M. and Tooley, Shaun. 2011. Planning Tools to Assess the Real Estate Leveraging Potential for Roadways and Transit: Technical Report. FHWA/TX-11/0-6538-1. Available at URL: <https://static.tti.tamu.edu/tti.tamu.edu/documents/0-6538-1.pdf>.

***Time-Space-Access: Exploring Impacts and Implications of New Technologies***

*Referred Articles in Journals and Conference Proceedings, Books, and Book Chapters*

55. Chen X. and Zhang, M. 2010. High-speed rail project development processes in the United States and China. *Transportation Research Record: Journal of the Transportation Research Board of the National Academies* 2195:9-17.
56. Zhang, M., 2005. Exploring the relationship between the built environment and non-work travel through time use modeling: A Boston case study. *Journal of Landscape and Urban Planning* 73(2-3):244-261.
57. Zhang, M., Shen, Q., and Sussman, J., 1999. Strategies to improve job accessibility -- A case study of Tren Urbano in the San Juan metropolitan region. *Transportation Research Record: Journal of the Transportation Research Board of the National Academies* 1669:53-60. Also published in US FHWA Toolbox for Regional Policy Analysis Report (2000). Available at URL: [https://www.fhwa.dot.gov/planning/processes/tools/toolbox/tren\\_urbano/](https://www.fhwa.dot.gov/planning/processes/tools/toolbox/tren_urbano/).
58. Zhang, M., Shen, Q., and Sussman, J., 1998. Job accessibility in the San Juan metropolitan region --Implications for rail transit benefit analysis. *Transportation Research Record: Journal of the Transportation Research Board of the National Academies* 1618:22-31.

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59. Liu, L. and Zhang, M. (corresponding author) 2017. The Impacts of high speed rail on mobility, accessibility, and economic development: Updated evidence from China. CD-ROM proceedings of the 96<sup>th</sup> Annual Meeting of Transportation Research Board of the National Academies, Washington D.C.
  60. Trendler, J., Griffin, P. G., Ettelman, B., Zhang, M. 2016. Understanding public attitudes towards transit at statewide and local geographies: Study of crowd sourced information in Texas. CD-ROM proceedings of the 95<sup>th</sup> Annual Meeting of Transportation Research Board of the National Academies, Washington, D.C.
  61. Zhang, M., Steiner, F., and Butler, K. 2007. The Texas Triangle: A geometric coincidence or an integrated megaregion? Proceedings of *the 2007 International Forum on Metropolitan Regions Development*, June 14-15, 2007, Shanghai, China
  62. Du, F., Zhang, M., and Huang, C. 2003. Design evaluation based on intuition or/and rationality: application of Space Syntax in GIS. *Conference Abstracts Proceedings, ACSP-AESOP Third Joint Congress*, July 2003, Leuven, Belgium, p.147.
  63. Zhang, M., 1996. Using GIS to generate neighborhood-level statistics from the Census. *Proceedings of the Urban & Regional Information Systems Association*. Salt Lake City, Utah, pp. 395-404.

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### ***General Topics on Planning, Transportation, and Design in the U.S. and International Setting***

#### *Referred Articles in Journals, Books, and Book Chapters*

73. Choi, K., Jiao, J., and Zhang, M. 2017. Reducing vehicle travel for the next generation: Lessons from the 2001 and 2009 National Household Travel Survey. *ASCE Journal of Urban Planning and Development*. 143(4): 04017017.
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85. (Book) Zhou, J., Zhang, M. and Huang, Z (eds.). 2012. *China Urbanization in Transition: Challenges and Opportunities: Proceedings of the 6<sup>th</sup> Annual Conference of the International Association for China Planning* (in Chinese). Wuhan University Press: Wuhan.
86. Li, W. and Zhang, M. 2015. The Mid-/Long-Range Strategic Plan for Megapolitan Regions: The International Efforts (in Chinese). *Urban Planning International*, 4:1-7.

87. Chen, Z. and Zhang, M. 2015. A morphological analysis of the waterscape in Wuhan and selected world cities (in Chinese). *Geographical Science Research*, 4(2): 33-44.
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89. Zhou, Y., Wang, J., and Zhang, M. 2013. Lessons learned from the performance measures for landscape architecture accreditation in the United States (in Chinese). *China Landscape Architecture* 1:121-124.
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91. Pan, H., Shen, Q., and Zhang, M., 2009. Impacts of urban form on travel behavior: Case Study of Shanghai (in Chinese). *Urban Transport of China* 7(6):28-33.
92. Zhang, M., 1994. Kevin Lynch: His life and work (Part II) (in Chinese). *New Architecture* 2:11-14.
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101. Zhang, M. 2010. The China Planning Workshop. In Cleary, R. (ed.) *Traces & Trajectories: The University of Texas at Austin School of Architecture at 100*. The University of Texas at Austin Center for American Architecture and Design, Austin, TX. Pp.114-117.



102. Zhang, M. 2009. Planning in rapidly developing cities: workshops in China. Platform 3:6-7.
103. Zhang, M. 2013. Long-range strategic thinking guides current decision making: Comments on megaregion development in the Central China region (in Chinese). *People and City* 6:xx. Also available at the URL <http://www.wpdi.cn/city/24qi/hq11.aspx>
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105. Zhang, M. 2011. The interface between urban transport and *Work Units* (in Chinese). *People and City* 9:22-25.

## Other Scholarly Activities

### *Scholarly Activities*

106. Zhang, M. (Curator & Contributor), 2017. *Experiencing Rapid Urbanism: China Planning Workshop/China Studio 2005-2016*. Mebane Gallery, University of Texas at Austin, January 23-March 1, 2017.
107. Zhang, M. 2017. Forward for “Proceedings of the International Symposium on Environmental Aesthetics and Beautiful China” by Chen, W. and Deng, J. Beijing: Chinese Building and Industry Press (forthcoming).
108. Zhang, M. (Curator), 2014. The Great Goodness Like Water (*Shang Shan Ruo Shui*): Artworks by Wuhan University School of Urban Design Faculty. Gallery 181, College of Design, Iowa State University, February 12-21, 2014.
109. Zhang, M. 2009. Book Review: T.J. Campanella, *The Concrete Dragon*, Princeton Architectural Press, New York (2008). *Landscape and Urban Planning* 92(2): 175-177.
110. Zhang, M. 2009. Faculty Profile: Ming Zhang. *Land Lines* 21(1):22-23.
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### *Scholarly Work under Review or Revision*

1. Li, W., Feng, T., Timmermans, H.J. H., and Zhang, M. Acceptance and intended use of modern information technology in urban planning public participation processes. Manuscript under review for publication consideration in *Journal of Urban Technology*.

2. Zhang, M., Jiao, H., and Zhang, W. Corridor transit oriented development: Land use optimization based on multi-objective Genetic Algorithms. Manuscript under revision for publication consideration in *Journal of Land Use and Transport*.
3. Huang, J. and Zhang, M. Correlating family carbon emissions, travel behavior, and land use: Case study of Wuhan City, China. Under revision for publication consideration in *Journal of Environmental Planning and Management*.

#### ***Unpublished Research Reports and Monographs***

1. Zhang, M. 2014. *Wuhan Spatial Development Strategies in the Era of High-Speed Rail*. Research Report (in Chinese). Wuhan Land Resources and Urban Planning Bureau, Wuhan, Hubei, China.
2. Zhang, M, Kone, A., Tooley, S., and Ramphul, R. 2009. *Capital Area Metropolitan Planning Organization Transit-Oriented Study*. Research report, Austin, TX: Capital Area Metropolitan Planning Organization.
3. Zhang, M., 2008. *Northeast Revitalization: Regional Strategies for China's Old Industrial Base*. Research report, New York: Regional Plan Association.
4. Zhang, M., 2007. *A Case Study of Bus and Rail Mass Transit Development in Beijing, China*. Research report, Cambridge, MA: Lincoln Institute of Land Policy.
5. Deng, F., Deng, L., Wang, L., and Zhang, M. 2007. *Suggestions for Integrated Rural-Urban Development in Chongqing, China* (in Chinese). A report submitted to the Municipal Government of Chongqing, China in response to an open call for contribution. The report received the Best Paper Award (Second Place).
6. Zhang, M., 2007. *Cost Characteristics and Land Use Impacts of Bus vs. Rail Rapid Transit*. Research report, Cambridge, MA: Lincoln Institute of Land Policy.
7. Zhang, M. 2006. *The Asian Experience of Transit-Oriented Development*. Research report, Cambridge, MA: Lincoln Institute of Land Policy.

## **PRESENTATIONS**

### **Refereed Conference Presentations**

1. Zhang, M., Li, X., and Li, B. 2017. A planning support system based on cloud-computing and mobile devices for smart urbanization in networked townships. Presented at the 15<sup>th</sup> International Conference on Computers in Urban Planning and Urban Management. Adelaide, Australia, July 10-14, 2017.

2. Zhang, M. 2017. A Chinese approach to transit-oriented development (TOD). Presented at the International Symposium on Transport and Urban Transformation in Contemporary China. Suzhou, China, July 1-2, 2017.
3. Zhang, M., Hu, Y., and Yue, Y. 2017. The influence of foreign planning theories on Wuhan city plan-making, 1912-2015. Presented at the 11<sup>th</sup> International Association for China Planning (IACP) Conference. Harbin, China, June 16-18, 2017.
4. Zhang, M. 2017. Contextual effects and individual determinants: An alternative framework to study the built environment-travel connection. Presented at the 3<sup>rd</sup> International Workshop on Integrated Land Use Transport Modeling. Shanghai, China, June 3~4, 2017.
5. Liu, L. and Zhang, M. 2016. Geographical and sectoral economic impacts of high-speed rail in China. Presented at the International Association for China Planning Annual Conference. Beijing, June 29 – July 3, 2016.
6. Welch, E., Zhang, M., and Jiao, J. 2017. Identifying factors explaining pedestrian crash severity: A study of Austin, Texas. Poster presentation at the 96<sup>th</sup> TRB Annual Meeting, January 8-12, 2017, Washington D.C.
7. Liu, L. and Zhang, M. 2017. The Impacts of high speed rail on mobility, accessibility, and economic development: Updated evidence from China. Poster presentation at the 96<sup>th</sup> TRB Annual Meeting, January 8-12, 2017, Washington D.C.
8. Li, W., Zhang, M., and Harry Timmermans. 2016. Crowd-sourcing and public participation: Opportunities and challenges to plan-making and implementation. Presented at the International Association for China Planning Annual Conference. Beijing, June 29 – July 3, 2016.
9. Li, W., Timmermans, H., and Zhang, M. 2016. E-participation in Urban Planning and Management for Small Towns in China: Challenges and Opportunities. International Journal of e-Planning Research (IJEPR) 2016 Annual conference. Lisbon. March 31- April 1, 2016.
10. Li, W., Timmermans, H. and Zhang, M. 2016. Crowdsourcing Public Participation in Urban Planning and Management for Small Towns. 6th Annual International Conference on Urban Studies & Planning. Athens. June 6-9, 2016.
11. Zhang, M. 2016. On city block and form: A tale of two countries. Presented in annual conference for Spatial Planning and Sustainable Development, Fuzhou, China, March 17-19, 2016.
12. Trendler, J., Griffin, P. G., Ettelman, B., Zhang, M. 2016. Understanding public attitudes towards transit at statewide and local geographies. Presented at the 95<sup>th</sup> TRB Annual Meeting, January 10-10, 2016, Washington D.C.
13. Choi, K. and Zhang, M. 2016. Non-linear effects of the built environment on transportation emissions and the potentials and challenges for transportation emission reduction. Presented at the 95<sup>th</sup> TRB Annual Meeting, January 10-10, 2016, Washington D.C.
14. Zhang, M. 2015. How can travel demand forecasting incorporate design ideas? Presented at the International Seminar on Transportation, Infrastructure, and Urban Development,

December 18-19, 2015, Tongji University, Shanghai, China.

15. Zhang, M. 2015. Rail Transit with Land Space. Panelist and invited presentation, Forum on Metro Metropolis, China Planning Association Annual Meeting, Guiyang, China, September 19-21, 2015.
16. Huang, J. and Zhang, M. 2015. Correlating Household Carbon Emissions, Travel Behavior, and Land Use: Case Study of Wuhan City, China, presented at the International Association for China Planning annual conference, Chongqing, China, June 19-21, 2015.
17. Zhang, M. 2015. What Does Urban and Rural Planning Want from Big Data and Crowdsourcing? Presented at the Symposium on Geo-Survey and Space-Time Datamining (in Chinese), Wuhan, China, August 14-15, 2015.
18. Zhang, M. and Zhang, W., 2015, Self-Selection versus Contextual Effects: The Land Use – Travel Connection Revisited, presented at the 14<sup>th</sup> International Conference on Computers in Urban Planning and Urban Management, Cambridge, MA, USA, July 7-9, 2015
19. Zhitong Chen, Xiaofeng Li and Ming Zhang, 2015. Morphological Features of the Waterscape Heritage in Wuhan, China”, poster presentation at the 14<sup>th</sup> International Conference on Computers in Urban Planning and Urban Management, Cambridge, MA, USA, July 7-9, 2015.
20. Zhang, M., Jiao, H., and Lin, M. 2015. A Corridor Model for Transit Oriented Planning, presented in annual conference for Spatial Planning and Sustainable Development, Fuzhou, China, June 26-27, 2015.
21. Xu, T. and Zhang, M. 2015. The Housing Price Premium of Rail Transit Access: New Evidence from Wuhan, China. Presented at the International Association for China Planning annual conference, Chongqing, China, June 19-21, 2015.
22. Huang, J., Wang, C., and Zhang, M. 2015. Correlating Household Carbon Emissions, Travel Behavior, and Land Use, Case Study of Wuhan, China. Presented at the International Association for China Planning annual conference, Chongqing, China, June 19-21, 2015.
23. Zhang, M. 2015. Regional Spatial Development Strategies: International Examples and Implications for Huangshi City, invited keynote speech at the International Symposium on Huangshi 2049, Huangshi City, June 16-17, 2015.
24. Zhang, M. 2015. Opportunities and Challenges for Planning in the Era of Big data. Keynote speech in the inauguration conference of China Planning Association Hubei Provincial Chapter (in Chinese), April 25, 2015.
25. Zhang, W. and Zhang, M. 2015. The Short- and Long-Term Effects of Land Use on Reducing Personal Vehicle Miles of Travel: Longitudinal Multilevel Analysis. Poster presentation in *Transportation Research Board annual meeting, Washington, D.C., January 11-15, 2015.*

26. Wu, Q., Zhang, M., and Yang, D. 2014. Jobs-Housing Balance: the Right Ratio for the Right Place, presented at the International Association for China Planning annual conference, Guangzhou, China, June 19-21, 2014.
27. Xu, T. and Zhang, M. 2014. The Housing Price Premium of Rail Transit Access: New Evidence from Wuhan, China. Presented at the International Association for China Planning annual conference, Guangzhou, China, June 19-21, 2014.
28. Chen, Z., Zhang, M. and Luo, Q. 2014. The Value of Waterscape for Quality of Life: A case study of Wuhan, China. Presented at the International Association for China Planning annual conference, Guangzhou, China, June 19-21, 2014.
29. Zhang, M., Jiao, H. and Lin, M. 2014. Land Use Optimization for Corridor Transit Oriented Development based on Multi- Objective Genetic Algorithm, presented at the Symposium on Applied Urban Modeling, Cambridge, UK, 1-3 April 2014, organized by Cambridge University.
30. Zhang, M., Hu, Y. and Zhou, J. 2014. Economic Impacts of High-Speed Rail Development in China, presented at the I-TED 2014 – International Transportation Economic Development Conference, April 9-11, 2014, Dallas, TX, USA, organized by the Economic Development Committee, Transportation Research Board.
31. Zhang, M., Meng, X., Wang, L. and Xu, T., 2014. Transit Oriented Development and Housing Price Impacts: Evidence from Beijing, China, presented at the I-TED 2014 – International Transportation Economic Development Conference, April 9-11, 2014, Dallas, TX, USA, organized by the Economic Development Committee, Transportation Research Board.
32. Zhang, M., 2014. Development Strategies for the Central China Megaregion, presented at the Third International Seminar on Human Settlement Science, October 27, 2014, Beijing, China.
33. Ewing, R. Goates, J., Greenwald, M., Zhang, M., Nelson, A., and Greene, W. 2014. Varying Influences of the Built Environment on Household Travel in Nine Diverse Regions of the United States. Presented at the 93<sup>rd</sup> TRB Annual Meeting, January 12-16, 2014, Washington, D.C.
34. Zhang, M. 2013. Bridging the Gap between the New Urbanist Ideas and Transportation Planning Practice. Presented at the AESOP/ACSP Joint Congress, Dublin, July 15-19, 2013.
35. Zhang, M. and Wang, L. 2013. Variation in Capitalization Rate of Transit Accessibility: Technological Difference or Development Context? Presented at the Western Regional Science Association 52<sup>nd</sup> Annual Meeting, Santa Barbara, CA, Feb. 24-27, 2013.
36. Huang, Z., Zhang, M., and Liu, X. 2013. Accessibility-based Approach to Forecasting LRT Trip Production – An Application Example from Wuhan, China. Presentation at *The 91<sup>st</sup> Annual Meeting of the Transportation Research Board*, January 13-17, 2013, Washington, D.C.

37. Zhang, M. 2013. Guidelines for Multimodal TOD. Presented at the 2<sup>nd</sup> International Seminar on Integrated Development with Rail Transit. Beijing, January 6-9, 2013.
38. Zhang, M. 2012. Humanistic Design. Presented at 20/20 International Conference on the Evolving Architectural Education: Innovation in Teaching and Learning in Asia, October 12<sup>th</sup>-13<sup>th</sup>, 2012, Hong Kong.
39. Zhang, M. 2012. Urban Form, VMT, and Transportation Emissions. Presented at the SECURE-International Seminar on Green Transport, Beijing, October 9-11, 2012.
40. Zhang, M. 2012. Design for X-TOD. Presented at the 3<sup>rd</sup> COTA-World Bank China Transport Forum: Integrated Transport Solution in Urban Transport Development: From Global Experience to a Chinese Context, Beijing, August 8, 2012.
41. Zhang, M. and Zhang, W. 2012. Contextual Effects of Land Use on Nonwork Travel Mode Choice: A Multilevel Multinomial Logit Modelling Analysis. Presented at the AESOP 26<sup>th</sup> Annual Congress, Ankara, Turkey, July 11-15, 2012.
42. Chen, S., Zhang, M., Huang, L. and Li, K. 2012. Historic Preservation in Fast-Changing Cities – Case Study of the Hankow Historic Concession District. Presented at the AESOP 26<sup>th</sup> Annual Congress, Ankara, Turkey, July 11-15, 2012.
43. Paterson, R., Mueller, E., Oden, M., Wilson, B., and Zhang, M. 2012. Implementing A Regional Sustainability Plan with Scenario Based Planning. Presented at the AESOP 26<sup>th</sup> Annual Congress, Ankara, Turkey, July 11-15, 2012.
44. Zhang, M. 2012. Urban and Regional Spatial Development Perspectives in the Era of High-Speed Rail: Case Study of Wuhan, China. Presented at the 3<sup>rd</sup> International Conference on Human Settlements in Mountainous Regions, Chongqing, China, May 12-14, 2012.
45. Zhang, M., Wang, G. and Huang, Z. 2012. Regional Development in China in the Era of High-Speed Rail: Local Expectations, Efforts and Evidence. Presented at the 51<sup>st</sup> Annual Meeting of the Western Regional Science Association, Poipu, Kauai, Hawaii, USA, February 8-11, 2012.
46. Chan, C., Cheng, S. and Zhang, M. 2011. Evaluating Phenomenology by Spatial Cognition. Presented at the Symposium for Spatial Cognition for Architectural Design, New York, November 16-19, 2011.
47. Zhang, M., Sha, S., Wang, G. and Huang, Z. 2011. Slow-Moving Traffic and the Built-Environmental Design. Presented at the 47<sup>th</sup> International Society of City and Regional Planners conference, Wuhan, China, October 24-28, 2011.
48. Zhang, M. Li, X., Zhang, J. and Wang, L. 2011. Developing an Eco-Industrial Zone for Post-Three Gorges Dam Migrants. Poster presentation given at the EcoCity World Summit, Montreal, Canada, August 22-26, 2011.

49. Zhang, M. 2011. High-Speed Rail and Urban Spatial Development. Presented at the International Seminar on High-Speed Rail and Urban Spatial Development, Wuhan, China, August 5-8, 2011.
50. Zhang, M. 2011. On the Cul-de-Sac vs. Checker-Board Street: Search for Sustainable Urban Form. Presented at the International Conference on Spatial Planning and Sustainable Development, Kanazawa City, Japan, July 29-31, 2011.
51. Li, X., Zhang, M. and Zhou, J. 2011. High-Speed Rail-Based TOD. Presented at the 12th International Conference on Computers in Urban Planning and Urban Management, Lake Louise, AB, Canada, July 5-8, 2011.
52. Zhang, M. 2011. Will Mixed-Use Development Reduce or Increase Transportation Emissions: A case study of Austin, TX. Presented at the 12th International Conference on Computers in Urban Planning and Urban Management, Lake Louise, AB, Canada, July 5-8, 2011.
53. Zhang, M. Integrating Land Use with High-Speed City Rail -- A case study of HeShengQiao Station Area, Hubei, China. Presented at the 5th Annual Conference of the International Association for China Planning, Beijing, China, June 17-19, 2011.
54. Zhang, M. 2011. Reducing Transportation Emissions through Land Use Intervention: Potentials and Challenges, poster presentation at *The 90<sup>th</sup> Annual Meeting of the Transportation Research Board*, January 23-27, 2011, Washington, D.C.
55. Zhang, M. 2010. Explore the connection between the built-environment characteristics and transportation-related CO2 Emissions: A case study of Austin, TX. Presented at the 12th World Conference on Transport Research, Lisbon, July 11-15, 2010.
56. Zhang, M. 2010. Land Use Planning as a Tool to Reduce VMT and CO2 Emissions: Potential and Challenges. Presented at the 4th Annual Conference of the International Association for China Planning, Shanghai, June 19-21, 2010.
57. Zhang, M. 2010. Can Transit-Oriented Development Reduce Peak-Hour Commuting? Presentation at *The 89<sup>th</sup> Annual Meeting of the Transportation Research Board*, January 10-14, 2011, Washington, D.C.
58. Chen, X. and Zhang, M. 2010. High-Speed Rail Project Development Process in the United States and China. Presentation at *The 89<sup>th</sup> Annual Meeting of the Transportation Research Board*, January 10-14, 2011, Washington, D.C.
59. Zhang, M. 2009. Calibrating the Potential Effects of Transit-Oriented Development on Trip Making: Case study of Austin, Texas, 50th Anniversary ACSP Conference, October 1-4, 2009 - Crystal City, Virginia
60. Zhang, M. 2009. Understanding the contextual effects of land use on travel mode choice for non-work travel: A multilevel analysis, 11th International Conference on Computers in Urban Planning and Urban Management (CUPUM), June 16-18, 2009, Hong Kong

61. Zhang, M. 2009. Smart Codes for Smart Growth, Symposium on "Opening the Gates" --A Critical Appraisal of China's Urban Development Practices, February 6-7, 2009, Berkeley, CA
62. Zhang, M. 2009. Bus vs. Rail: A Meta-Analysis of Cost Characteristics, Carrying Capacities, and Land Use Impacts, poster presentation at *The 88<sup>th</sup> Annual Meeting of the Transportation Research Board*, January 11-15, 2009, Washington, D.C.
63. Ewing, R. Greenwald, M., Frank, L., Zhang, M., Cervero, R., Kassa, S., and Thomas, J., 2009. Traffic Generated by Mixed-Use Developments: Six-Region Study Using Consistent Built Environmental Measures, presentation at *The 88<sup>th</sup> Annual Meeting of the Transportation Research Board*, January 11-15, 2009, Washington, D.C.
64. Zhang, M. 2008. Value Capture: A toolbox from world experience. International Seminar on Sustainable Transportation, December 15-17, 2008, Beijing, China
65. Zhang, M. 2008. Megaregions in China and the United States: An exploratory comparison. Symposium on Megaregions and Spatial Planning: An international perspective, October 28-29, 2008, Beijing, China
66. Zhang, M. 2008. Progress Report on Study of the Texas Triangle Megaregions. Symposium on Megaregions and Spatial Planning: An international perspective, October 28-29, 2008, Beijing, China
67. Zhang, M. and Lomax, T., 2008. Congestion Index: Measurements and Applications. China Planning Network (CPN) Urban Transport Congress, July 19, 2008, Beijing, China
68. Zhang, M., 2008. Capitalization of Bus vs. Rail Transit Access, Evidence from Beijing, China. *The 2008 Joint ACSP-AESOP Conference*, July 6-11, 2008, Chicago.
69. Zhang, M. and Chen, B., 2008. Future Travel Demand and its Implications for Transportation Infrastructure Investments in the Texas Triangle. *The 2008 Joint ACSP-AESOP Conference*, July 6-11, 2008, Chicago.
70. Zhang, M., 2008. Valuing Green Space: A study of three neighborhoods in Houston, TX. International Forum on Urban Development & Planning, June 19-20, 2008, Langfang, Hebei, China.
71. Wu, L., Wu, W., and Zhang, M., 2008. Megaregions and Spatial Development Planning in China. Healdsburg Research Seminar on Megaregions, March 19, 2008, Healdsburg, CA.
72. Pan, H., and Zhang, M., 2008. Rail transit impacts on land use: Evidence from Shanghai, China. *The 87<sup>th</sup> Annual Meeting of the Transportation Research Board*, January 13-17, 2008, Washington, D.C.
73. Zhang, M., 2007. Residential Location Preference: Cul-de-sac vs. the Checkerboard. *The 48th Association of Collegiate Schools of Planning Annual Conference*. October 18-21, 2007. Milwaukee, WI.



74. Zhang, M., 2007. Cost Characteristics and Land Use Impacts of Rail vs. Bus Mass Transit. *The 48th Association of Collegiate Schools of Planning Annual Conference*. October 18-21, 2007. Milwaukee, WI.
75. Zhang, M., 2007. Bus or Rail? *China Planning Network 1<sup>st</sup> Urban Transportation Congress*, August 2-5, 2007, Beijing, China.
- Also presented at the Third *International Conference on Urban Development and Land Policy in China*, October 13-15, 2007, Hangzhou, China (Sponsored by the Lincoln Institute of Land Policy and Zhejiang University).
76. Zhang, M., 2007. Estimating and Visualizing Congestion at the Highway Link Level with GIS. The 10th International Conference on Computers in Urban Planning and Urban Management, Iguassu Falls, Brazil, July 11-13, 2007.
77. Zhang, M., Steiner, F., and Butler, K., 2007. The Texas Triangle: A Geometric Coincidence or an Integrated Megaregion? *The 2007 International Forum on Metropolitan Regions Development*, June 14-15, 2007, Shanghai, China
78. Pan, H., Qing, S., and Zhang, M., 2007. A Study of Urban Form's Influence on Travel Behavior in Shanghai. The 2<sup>nd</sup> International Conference on China's Urban Development and Planning, June 8-10, 2007, Beijing, China.
79. Zhang, M., 2007. Smart Urban Growth Needs Sensible Planning Codes. *International Seminar on Shenzhen's Urban Restructuring and Sustainable Development*. June 6-7, 2007, Shenzhen, China.
80. Zhang, M., 2007. Value Capture through TOD. The 7<sup>th</sup> International Conference of Overseas Chinese Transportation Professionals. May 21-23, 2007, Shanghai, China.
81. Zhang, M., Steiner, F., and Butler, K., 2007. A Megaregion Approach to Regional Coordination in the Texas Triangle. Healdsburg Research Seminar on Megaregions, April 4-6, 2007, Healdsburg, CA.
82. Zhang, M., 2007. The Chinese edition of Transit-Oriented Development. *The 86<sup>th</sup> Annual Meeting of the Transportation Research Board*, January 22-26, 2007, Washington, D.C.
83. Pan, H., Shen, Q., and Zhang, M., 2007, *The 86<sup>th</sup> Annual Meeting of the Transportation Research Board*, January 22-26, 2007, Washington, D.C.
84. Zhang, M., 2006. TOD or Not TOD: Transit Oriented Development for Land Use-Transportation Integration in Chinese Cities. *The 2<sup>nd</sup> International Symposium on Urban Development and Land Policy in China*, October 19-21, 2006, Shenzhen, China.
85. Lee, S., Zhang, M. and Lee C., 2006, Apply the Directed Acyclic Graphs method to investigate the causal relationship between land use and transportation in Dallas-Ft. Worth Region. *2006 Association of Collegiate Schools of Planning Annual Conference*. November 9-12, 2006, Ft. Worth, TX.

86. Zhang, M. and Yi, C., 2006, Can Transit-Oriented Development Reduce Austin's Traffic Congestion? *2006 Association of Collegiate Schools of Planning Annual Conference*. November 9-12, 2006, Ft. Worth, TX.
87. Zhang, M., 2006, 5D2: An Operational Model of Transit Oriented Development for Chinese Cities. *The 3<sup>rd</sup> Annual Meeting of MIT China Planning Network*, June 14-17, 2006, Beijing, China.
88. Zhang, M., 2006, Transit Oriented Development in Hong Kong, Taipei, and Shanghai. *The 6<sup>th</sup> International Conference of Transportation Professionals*, June 23-25, 2006, Dalian, China
89. Zhang, M. and Lomax, T., 2006, Estimating congestion index at the link level using TransCAD GIS. *The 85<sup>th</sup> Annual Meeting of the Transportation Research Board*, January 22-26, 2006, Washington, D.C.
90. Yi, C. and Zhang, M., 2006, Cul-De-Sac vs. Grid: Comparing street connectivity and pedestrian accessibility of the urban forms in the Houston metropolitan area. *The 85<sup>th</sup> Annual Meeting of the Transportation Research Board*, January 22-26, 2006, Washington, D.C.
91. Zhang, M. & Kukadia, N. 2005. Metrics of urban form and Modifiable Area Unit Problem. *The 84<sup>th</sup> Annual Meeting of the Transportation Research Board*, January 9-14, 2005, Washington, D.C.
92. Zhang, M. 2005. Intercity Variations in the Relationship Between Urban Form and Automobile Dependence: Disaggregate Analyses of Boston, Portland, And Houston. *The 84<sup>th</sup> Annual Meeting of the Transportation Research Board*, January 9-14, 2005, Washington, D.C.
93. Zhang, M. 2005. The current practice and future potential of transit-oriented development in Chinese cities: Literature review and research design. *The Joint 2005 ICTPA Annual Conference and NACOTA Annual Technical Symposium*, January 7-9, 2005, Washington, D.C.
94. Li, M. Slaney, S., Lalli, J., McCann, J., Huang, C., Ma, X., and Zhang, M. 2004. Culture-Sensitive Design: Case Studies of Recent Practice in China. *The 2004 Annual Meeting of the American Society of Landscape Architects*, October 29-November 2, 2004, Salt Lake City, UT.
95. Zhang, M. & Sui, D. 2004. The relationship between urban form and nonwork travel: A multilevel analysis. *2004 Association of Collegiate Schools of Planning Annual Conference*, October 20-24, Portland, OR.
96. Lobaem, S., Zhang, M. & Lomax, T. 2004. Uncovering Bangkok's congestion myth. *2004 Association of Collegiate Schools of Planning Annual Conference*, October 20-24, Portland, OR.
97. Zhou, J., Zhang, M. & Wang, C. 2004. Digital city development in China: Findings from a survey of 30 cities. *2004 Association of Collegiate Schools of Planning Annual Conference*, October 20-24, Portland, OR.

98. Zhang, M. 2004. Patterns of automobile dependence revisited: Interregional variations in the U.S. Accepted for presentation at *The 10<sup>th</sup> World Congress on Transport Research*, July 4-8, Istanbul, Turkey.
99. Rong, H., Li, M., Huang, C., Chiao, S., Glass, M, and Zhang, M., 2003. Post WTO entry: American landscape architects' opportunities in China. *2003 American Society of Landscape Architects Annual Meeting*, October 30-November 2, New Orleans, LA.
100. Zhang, M. 2003. The 'modifiable area unit problem' in measuring urban form for travel analysis. *ACSP-AESOP Third World Congress of Planning (Association of Collegiate Schools of Planning and Association of European Schools of Planning)*, July 8-12, Leuven, Belgium.
101. Zhang, M. 2002. Travel choice with no alternative: A disaggregate analysis of auto dependence. *2002 Association of Collegiate Schools of Planning Annual Conference*, November 20 – 24, Baltimore, MD.
102. Mohite, A., Soparia, U., Govind, N., and Zhang, M. 2002. Land development in coastal Texas: 1950 To 2050: Implications for a sustainable coastal region. Poster presentation to *Texas A&M University 125<sup>th</sup> Anniversary Celebration Symposium*. February 19-21, College Station, TX.
103. Zhang, M. 2001. Understanding the nature and causes of automobile dependence: A disaggregate approach. *2001 Association of Collegiate Schools of Planning Annual Conference*, November 8-11, Cleveland, OH.
104. Zhang, M. 2000. Conditions and effectiveness of land use as a mobility tool - The Boston case study. *2000 Association of Collegiate Schools of Planning Annual Conference*, November 2-5, Atlanta, GA.
105. Zhang, M. 1999. Capture the marginal accessibility effects of rail transit systems - A Boston case study. *1999 Association of Collegiate Schools of Planning Annual Conference*, October 21-24, Chicago, IL.
106. Zhang, M. 1999. Strategies to improve job accessibility - A case study of Tren Urbano in the San Juan metropolitan region. *The 78<sup>th</sup> Annual Meeting of the Transportation Research Board*, January 10-14, Washington, D.C.
107. Zhang, M. 1998. Job accessibility in the San Juan metropolitan region --Implications for rail transit benefit analysis. *The 77<sup>th</sup> Annual Meeting of the Transportation Research Board*, January 11-15, Washington, D.C.
108. Zhang, M. 1997. Land use activities in rail transit station areas -- A Boston case study. *1997 University Consortium of Geographic Information Systems Annual Assembly*, July 5-10, Bar Harbor, Maine.
109. Zhang, M. 1996. Using GIS to generate neighborhood-level statistics from the Census. *1996 Urban & Regional Information Systems Association Annual Conference*, July 27-August 1, 1996, Salt Lake City, Utah.

110. Zhang, M. 1992. Issues of the self-build housing in city and town fringe (in Chinese). *International Symposium on Planning and Design of Housing in Urban Fringe*, July 1-5, 1992, jointly organized by Chongqing Institute of Architecture and Engineering (China) and McGill University (Canada), Chongqing, China.
111. Zhang, M. 1992. Land use development and management in urban fringe (in Chinese). *The Second National Conference of the Science Association of China*, May 2-5, 1992. Beijing, China.

### **Invited Presentations or Lectures**

112. USDOT University Transportation Center (UTC-Tier 1): Cooperative Mobility for Competitive Megaregions. Presentation to the School of Architecture Advisory Council. April 7, 2017
113. Cooperative Mobility for Competitive Megaregions: A research agenda. Invited presentation to the Megaregion submittee, Transportation Research Board, January 10, 2017, Washington D.C.
114. Studying Human Settlement Science in the Era of Globalization. Invited keynote speech. School of Urban Planning and Development, ChangJiang University, JIngzhou, China, June 27, 2016.
115. Hop Topics on Human Settlement Science in China and the United States. Invited keynote speech. Lishui College, City of Lishui, Zhejiang Province, China, June 28, 2016
116. Transportation Investment Module, (2009-15). Invited lectures at the training sessions on Infrastructure Development and Planning. International Center for Land Policy Studies and Training, Taoyuan, Taiwan (Invited by The Lincoln Institute of Land Policy, Cambridge, MA. Delivered one of six weeks training for professionals and public officials from Asian, East European, African, and Latin American countries)  
 The 127<sup>th</sup> Regular Session, October 19-23, 2015  
 The 121<sup>st</sup> Regular Session, June 2-6, 2014  
 The 118<sup>th</sup> Regular Session, May 20-24, 2013  
 The 111<sup>th</sup> Regular Session, March 28-April 1, 2010  
 The 106<sup>th</sup> Regular Session, April 20-27, 2009
- Topics: Day 1) Scope of transportation problems in the developing and developed countries; Day 2) Land use-transportation interactions; Day 3) Transit planning, performance, and policy issues and four-step models for travel demand analysis; Day 4) Transit oriented development and best practice around the world; Day 5) TDM, ITS, and new technologies.
117. Zhang, M. 2015. Update on Transit Oriented Planning, invited talk, Wuhan Municipal Bureau of Planning and Land Resources, May 21, 2015.
118. Principles of Transit- and Pedestrian-Oriented Development, September 21-27, 2012. Invited lectures at the Workshop: China: Leaders in Urban Transport Planning, Beijing.

Organized by The World Bank, Washington, D.C.

119. Transit Oriented Development: Planning and Implementation, February 22, 2014. Invited lecture for Training on Sustainable Urban Transportation. Organized by the United Nation Habitat International and City of Guangzhou, Guangzhou, China (Note: lecture materials were fully prepared and delivered but the event was canceled one week before due to an unexpected security emergency)
120. Plan-Making in China vs. USA, June 24, 2011, Invited talk in the Institute of Urban Planning and Design, City of Wuhan, China.
121. Zhang, M. 2010. Introduction to planning education in the U.S. Invited presentation at the Symposium on Foundation Education for Planning Professional Programs in China, Xi'an, June 23-26, 2010.
122. Hot Topics in Urban Planning in the U.S., July 14, 2009, Invited lecture in School of Architecture, South China University of Technology, Guangzhou, China.
123. Exchanges on GIS Applications to Urban Planning and Research, June 26, 2009, Invited talk in School of Urban Design, Wuhan University, Wuhan, China.
124. Planning Education & Research in the U.S.: A personal perspective, July 3, 2009, Invited talk in School of Urban Design, Wuhan University, Wuhan, China.
125. Transit-Oriented Development, April 15, 2009, Invited guest lecture in Department of Civil Engineering, University of Texas at Austin, Austin, TX.
126. BRT or MRT? December 22, 2008, Guangzhou Municipal Institute of Urban Planning and Design, Guangzhou, China.
127. Megaregion Studies in China and the US: An overview. December 22, 2008, South China University of Technology, Guangzhou, China.
128. Exploring Chinese Transit-Oriented Development. December 23, 2008, South China University of Technology, Guangzhou, China.
129. Sustainable Transportation, October 2, 2008, Invited guest lecture in Seminar in Sustainable Design, School of Architecture, University of Texas at Austin, Austin, TX.
130. GIS Applications in Transportation Planning and Analysis. August 4-7, 2008, GIS Summer Workshop, School of Public Affairs, Texas Southern University, Houston, TX.
131. (Panelist) Green transportation plan for Wuhan New Development District, June 25, 2008, Wuhan, China.
132. Transit Impacts on Housing Price: Evidence from Beijing. April 1, 2008, National Taipei University, Taipei.

133. Transportation Investment Module, (2005-08). Invited lectures at the training sessions on Infrastructure Development and Planning. International Center for Land Policy Studies and Training, Taoyuan, Taiwan (Invited by The Lincoln Institute of Land Policy, Cambridge, MA. Delivered one of six weeks training for professionals and public officials from Asian, East European, African, and Latin American countries)
134. Transit-Oriented Development. October 23, 2007, University of Texas at San Antonio School of Architecture, San Antonio, TX.
135. Transit-Oriented Development (TOD): Knowledge Gaps and Research Opportunities. *National Academies/Transportation Research Board: Transit Research Analysis Committee Panel Discussion*. May 21-22, 2007, Washington, D.C.
136. Land Use-Transportation Integration. *Mayor's Institute on City Design*, November 16-18, 2006, Austin, TX.
137. Smart Urban Growth Needs Sensible Planning Codes. *International Conference on Smart Growth in China*, June 1-3, 2006, Weihai, Shandong Province, China.
138. The Chinese Experience of Transit Oriented Development. *International Workshop on Transit Oriented Development*, May 26-29, 2006, Shanghai, China.
139. Zhang, M., 2007. Urban Planning Education & Research in the U.S.: A personal perspective. Invited talk in Shanghai Jiaotong University, May 25, 2007. Shanghai, China.
140. TOD or Not TOD: Transit Oriented Development for Land Use-Transit Integration in Chinese Cities. *Conference on Important Issues in the Era of Rapid Urbanization in China*, May 22, 2006, the Lincoln Institute of Land Policy, Boston, MA.
141. Understand the relationship between urban form and nonwork travel through time use analysis. *Transportation Seminar. The Department of Urban Studies & Planning and Center for Transportation and Logistics, MIT*. March 18, 2005. Cambridge, MA.
142. The Chinese experience in Transit-Oriented Development: Preliminary research findings. *The Second Annual Meeting of the China Planning Network, MIT*. March 19, 2005. Cambridge, MA.
143. Introduction to Research Methods. *Graduate Symposium*. School of Architecture and Urban Planning, Huazhong University of Science and Technology. December 29, 2004. Wuhan, China.
144. Zhang, M. 2002. The Mobility Role of Land Use. Invited talk at the *Geography Colloquium*, Department of Geography, Texas A&M University. September 20, 2002. College Station, TX
145. Hong Kong and the Pearl River Delta: The Role of Culture in Economic Development. *The Urban Culture Conference: Festival of Vision - Hong Kong/Berlin*, July 28 - August 1, 2000. Berlin, Germany.

## PLANNING AND DESIGN PRACTICE

1. Zoning Design for the Yun County Urban Central District, Hubei Province, China. 2300 hectares. 2012-14. Principal Planner.
2. Community Planning and Design for Displaced Residents of the Three Gorges Dam, XiaoTing District, City of Yichang, Hubei Province. 148 hectares. 2010-12. Principal Planner.
3. TOD Plan for HeShengQiao Station, Wuhan-Xianning Commuter Rail Line, 120 hectares, City of Xianning, Hubei Province. 2010-11. Principal Planner.
4. City of Suizhou Comprehensive Plan Revision, Suizhou, Hubei Province, China, 2007. Co-Planner.
5. City of Guang-Shui Comprehensive Plan Revision, Guang-Shui, Hubei Province, China, 2006. Co-Planner.
6. City of Ji'An Comprehensive Plan Revision, Ji'An City, Jiang Xi Province, China, 2005. Co-Planner.
7. City of Beijing Comprehensive Plan Revision (Technical Support), Beijing, China, 2004. Consultant.
8. Campus Planning for Shengda University (152 acres). Zhenzhou City, Henan Province, 1993, adopted. Planner & Designer.
9. Zoning Design for Jinlin Road Re-development (138 acres). Town of Jinlin, Zhejiang Province, 1992, adopted. Planner.
10. Site Planning for the Veteran Hospital of Huanggang Prefecture (11.4 acres). Huanggang City, Hubei Province, 1992, implemented. Principal Planner.
11. Office Building of Macheng Educational Committee, 4,216 sq.m., Macheng City, Hubei Province, 1992, built-up. Architect.
12. The Training Center of the Economic Plan Committee of Huanggang Prefecture, 3,980 sq.m., Huanggang City, Hubei Province, 1992, built-up. Architect.
13. Campus Planning and Design for Puqi Normal School (20 acres). Puqi City, Hubei, 1991, implemented. Co-Planner and Designer.
14. Residential Subdivision Design (1,200 Dwelling Units), Macheng City, Hubei, 1990, implemented. Principal Planner. Planner.
15. Zoning Design for the Jiangjun Road Area (207 acres). Macheng City, Hubei, 1990, adopted. Planner.
16. Apartment, 1,190 sq.m., Huanggang City, Hubei, 1990, built-up. Architect.

17. Office Building of Macheng Medical Company, 3,100 sq.m., Macheng City, Hubei, 1989, built-up. Co-Architect.
18. Teaching Facility of Chengma Primary School, 1,520 sq.m. Macheng City, Hubei, 1988, built-up. Co-Architect.
19. Comprehensive Planning for the City of Shishou (with a population of 210,000), Shishou City, Hubei, 1986, adopted. Co-Planner.
20. Campus Planning for Macheng Normal School (21 acres). Macheng City, Hubei, 1988, implemented. Planner.
21. Urban Design Proposal for the Beihai City Central Square, Guangxi Province, 1986, implemented. Co-Designer.

## HONORS, AWARDS, AND FELLOWSHIPS

1. **BaiRen Endowed Professorship**, 2011-14, School of Urban Design, Wuhan University, China
2. **BaiRen Endowed Professorship**, 2008-2010, College of Architecture, South China University of Technology, Guangzhou, Guangdong, P.R. China.
3. **Visiting Research Fellow**, 2008-2009, The Peking University-Lincoln Institute Center for Urban Development and Land Policy (Beijing), Lincoln Institute of Land Policy, Cambridge, MA.
4. **Guest Professor**, 2004-2006, School of Architecture & Urban Planning, Huazhong (Central China) University of Science & Technology, Wuhan, Hubei, P.R. China.
5. **Phi Beta Delta Member**, 2001-present, the Honor Society for International Scholars.
6. **UPS Doctoral Dissertation Fellowship**, 2000/2001, Center for Transportation Studies, MIT.
7. **Dissertation Fellowship of the Lincoln Institute of Land Policy**, 2000, The Lincoln Institute of Land Policy, Cambridge, Massachusetts.
8. **Alan Voorhees Instructorship**, 1998, 1999, 2000, Department of Urban Studies & Planning, MIT.
9. **Goodwin Medal (nomination)**, 2000, MIT Award for Excellence in Graduate Teaching, MIT.
10. **American Planning Association Awards (Student)**, Honorable Mention, 1994, Eastern Corridor (Light-Rail Transit) Study for Cincinnati Metropolitan Area, (Project Participant).
11. **Best Paper Award**, 1990, The Second National Urban Planning Paper Competition (Youth), held by the Urban Planning Society of China and the City Science Research Association of China, P.R. China.



12. **Tsinghua Outstanding Graduate Awards**, 1988, Tsinghua University, Beijing.

## SERVICES

### National/International Service Activities

1. External Assessor, Internal Periodic Review Panel, Department of Urban Planning and Design, Xi'an Jiaotong-Liverpool University, 2014
2. Member, External Advisory Panel, Evaluation on Sustainable Infrastructure Services and the World Bank Group, The World Bank, 2012-13
3. Editorial Boards for Academic and Professional Journals and Publications
  - Journal of Architecture and Planning Research, USA, 2004-present
  - Journal of Environmental Planning and Management, UK, 2012-present
  - China City Planning Review (English), China, 2010-present
  - Journal of Urban Rail Transportation (English), China, 2013-present
4. Editor, North America Chinese Overseas Transportation Association newsletter, 2006, 2007
5. Reviewer for Academic and Professional Journals and Publications
  - China City Planning Review (English Edition), 2013-present
  - Cities, 2011
  - Computers, Environment, and Urban System, 2010
  - Environment and Planning A, 2008, 2010, 2012
  - Environment and Planning B, 2009, 2010
  - Environmental Management, 2010
  - Habitat International, 2013, 2015
  - International Development Planning Review, 2009
  - International Journal of Sustainable Transportation, 2014
  - Journal of American Planning Association, 2005, 2007, 2009, 2014, 2015, 2016
  - Journal of Landscape and Urban Planning, 2006, 2008
  - Journal of Planning Education and Research, 2005, 2008, 2010, 2013, 2017
  - Journal of Transport Geography, 2011
  - Journal of Transportation and Land Use, 2011, 2017
  - Lincoln Institute of Land Policy, 2008
  - McGraw Hill Press, 2012
  - Research in Transportation Economics, 2015
  - Routledge, 2015
  - The University of Hong Kong Press, 2013
  - Transport Policy, 2013, 2015, 2016, 2017
  - Transportation Research Part A, 2007, 2009, 2017
  - Transportation Research Part D, 2013, 2016, 2017
  - Transportation Research Record, 2006-2016

- Travel Behaviour and Society, 2015
  - Urban Geography, 2011
  - Urban Studies, 2010, 2012, 2015
6. Member of Academic and Professional Organizations
- Site Visitor Pool, Planning Accreditation Board, Association of Collegiate Schools of Planning, USA, 2009-present
  - Statewide Travel Demand Forecasting Subcommittee, Transportation Research Board, National Academy of Science, 2012-present.
  - International Association for China Planning, Board of Directors: 2005-2008; member: 2010-present
  - Track Chair, Track on Analytical Methods and Computer Applications, annual conference of the Association of Collegiate Schools of Planning, 2005-2008.
7. Reviewer for Conference Papers
- Subcommittee on Transportation in Developing Countries, annual meeting of the Transportation Research Board, National Academy of Science, 2008-12
  - Subcommittee on Transportation and Land Use, annual meeting of the Transportation Research Board, National Academy of Science, 2008-15
  - Land Use and Transportation Track, Association of Collegiate Schools of Planning annual meeting, 2008-12
  - Annual Conferences of the International Association for China Planning, 2005-present
  - World Congress of Transport Research, 2007, 2015
8. Reviewer for Grants and Awards
- Central Michigan University, 2010-11
  - Israel Science Foundation, 2010-11
  - China National Science Foundation 2013, 2014, 2015
  - China Research Council, Grants for International Exchange, 2013-14
  - China Research Council, Grants for Post-Doctoral Research Fellowships, 2013-15
  - Lincoln Institute of Land Policy China Program Research Grants, Dissertation and Thesis Grants, 2005-12
  - METRANS, 2015
  - Oregon Transportation Research and Education Consortium, 2011-12
  - Review for Annual Best Paper Awards organized by City Planning Forum (China), 2011-14
  - University of California Transportation Center, 2010- 2013
9. Reviewer for Tenure and Promotion Cases and External Dissertation Defense
- Kenneth Joh, Texas A&M University, 2015
  - Bo, Yang, Utah State University, 2013
  - Praveen K. Maghelal, University of North Texas, 2012
  
  - Guang Tian, Dissertation Committee, University of Utah, 2015
  - Lin Lin, Dissertation Committee, University of Hong Kong, 2015
  - Qu, Teresa, Dissertation Committee, Texas A&M University, 2010

10. Juror for Planning and Design Competitions

- International Competition, Master Plan and Phase One Construction (Round 1) of the Chinese University of Hong Kong Shenzhen Campus, 2012
- Kaifeng New District Planning and Design, City of Kaifeng, Henan Province, China, 2013
- International Competition for the Central District of Shunde City, Guangdong Province (Final Round; Entries: Rocco Design Architects Limited, OMA, SOM, Beijing Architectural Design Inst.), 2012

**University and School Service Activities**

11. CRP Graduate Adviser, 2009-12

12. Committee Member

- SOA Executive Committee, 2011(Spring), 2015-16, 2017-19
- SOA Compensation Committee, 2011
- Third Year Review, 2014 (R. Young), 2016 (J. Jiao)
- SOA Student Travel Awards Committee, 2004-2007
- SOA IT Committee, 2005
- SOA Faculty Search Committee, 2006 (member), 2016 (chair)
- CRP GSC, Admission's Committee, Ph.D. Committee, 2005-

13. Events

- Juror, McCombs School of Business, Transportation Case Competition by the Business Honor Program, 2016
- UT Delegate, Conference on International Collaborative Research and Education, University of Texas at Universidad Veracruzana, Led by VPR of UT Austin. Veracruz, Mexico. May 7-10, 2006.
- Track Organizer and Moderator, Envisioning Dallas: From Triangle to Trinity, the 3<sup>rd</sup> Future of Texas City-Regions Symposium, Dallas, TX, May2, 2006.

## TEACHING

### At the University of Texas at Austin

1. CRP 695D Planning Studio/Transportation Practicum, 2008, 2015, 2016, 2017
2. CRP 381 Transit Oriented Development, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2015, 2016, 2017
3. CRP 384s International Transportation Issues (China Planning Workshop, summer), 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017
4. CRP 384 Metropolitan Transportation Studies with TransCAD GIS, 2004, 2005, 2011, 2016, 2017
5. CRP 386 Quantitative Methods, 2014
6. CRP 386 Applied Methods, 2014, 2015
7. CRP 980Y Regional Planning Method, 2005, 2006, 2007, 2008, 2009, 2010, 2011

### At Texas A&M University

1. Plan 689 TransCAD GIS for Transportation Planning & Modeling, 2004
2. Plan 674 Transportation System Analysis with Discrete Choice Modeling, 2003, 2004
3. Plan 689/673 Design for Sustainable Transportation, 2002, 2003
4. Plan 612 Transportation in City Planning, 2001, 2002, 2003
5. Plan 665 Plan Making: The Land Use Planning Process, 2003
6. Plan 670 Transit Planning, 2002
7. Plan 365 Urban Land Use Planning, 2002 (summer)
8. Plan 625 Introduction to GIS, 2002

## ADVISING

### At the University of Texas at Austin

#### *Ph.D. Committee*

	<b>Dissertation Title (Degree granting institution; My role in committee)</b>	<b>Student Name (Program)</b>	<b>Year</b>
11	Subnetwork Analysis: Methodology and Application (UT Austin; Member)	Amber Chen (Engineering)	2017
10	Travel and Built Environment: Evidence from 23 Diverse Regions of the United States (Uni. of Utah; Member)	Guang Tian (Planning)	2017
9	Research on Spatial Pattern and Development Strategies for Rail Transit Station Areas in Wuhan, China (Wuhan University; Co-Chair)	Tao Xu (Planning)	2017
8	Unpacking the Complex Relationship between Land Use, Vehicle Travel, and Transportation Greenhouse Gas (GHG) Emissions (UT Austin; Chair)	Kwangyul Choi (Planning)	2016
7	Theoretical and Empirical Investigations of Excessive Congestion as a Result of Market and Planning Failures (UT Austin; Chair)	Wenjia Zhang (Planning)	2015
6	The Built Environment Impacts on Travel Behaviors in the Context of China: Evidence from Transit Oriented Development Areas in Shenzhen (Uni. of Hong Kong; Member)	Lin Li (Planning)	2015
5	Research on the Protective Utilization Path of the Basic Urban Ecological Control Areas (Wuhan University; Co-Chair)	Qiaoling Luo (Landscape)	2014
4	National Innovation System Building in a Developing Country Context: The Case of Turkey (UT Austin; Member)	Bige Yilmaz (Planning)	2011
3	Investigating the Effect of Freeway Congestion Thresholds on Decision-Making Inputs (Texas A&M University; Member)	Tongbin Qu (Planning)	2010
2	Role of Transportation in Employment Outcomes of the Disadvantaged (UT Austin; Chair)	Chang Yi (Planning)	2009
1	Trip Chaining: Linking the Influences and Implications (UT Austin; Member)	Stacey G. Bricka (Planning)	2008

#### *Master's Committees Chaired*

	<b>PR or Thesis Title</b>	<b>Student Name</b>	<b>Year</b>
47	Potential Impacts of Connected-Autonomous Vehicles on Congestion and Safety: A Look at Austin, Texas	Jackson Archer	2017
46	Investigating Impacts of Corridor TOD along Austin's Metro Rapid Line	Neha Diggikar	2017
45	Factors Affecting Wastewater Service Provision in Texas Colonias	Prachi Dinesh Patel	2016

44	Identifying Factors Explaining Pedestrian Crash Severity: A Study of Austin, Texas	Elizabeth Anne Welch	2016
43	The Impact of Light Rail Transit on Residential Rental Market: Case Study of Dallas Area Rapid Transit	Antora Mohsena Haque	2016
42	Link Park Access with Obesity Risk Reduction: Case Study of Austin, Texas	Coleen Elaine Gentles	2016
41	Improving Transportation Project Delivery with NEPA Assignment: Lessons Learned from California and Texas	Brian Joseph Miller	2016
40	Uptown Fort Lauderdale : the makings of a successful transit hub	Eric Lorenzo Houston.	2015
39	Transit proximity effects : Capital MetroRail and its impact on land prices in Austin, Texas	Haitao Yu	2015
38	Understanding public attitudes towards transit at statewide and local geographies	Jody Rose Trendler	2015
37	Mitigating the impacts of fare increases on low-income transit-dependent populations	John-Michael Vincent Cortez	2015
36	Mixed land use and travel behavior : a case study for incorporating land use patterns into travel demand models	Hao Pang	2014
35	Intermodal connectivity and its impacts on HSR ridership : Seoul Station and Yongsan Station, South Korea	Hui Jeong Ha	2013
34	Bike big data : how GPS route data collected from smartphones can benefit bicycle planning	Joel Loren Meyer	2013
33	Jobs-housing balance : the right ratio for the right place	Qian Wu	2013
32	A tool for collective visioning of community sustainability : application in the Austin, TX region focusing on transportation	Qianying Zhang	2013
31	Historic preservation and assessment of campus plan and historic buildings of Wuhan University in China	Ran Zhang	2012
30	The sustainable transportation performance evidence from Austin	Siyun Sha	2012
29	The impact of Light Rail Transit on residential value empirical analysis of DART Green Line in Dallas	Yumi Chae	2012
28	The metallic elephant in the room short range flights; high-speed rail, and the environment	Donovan Theodore Johnson	2011
27	Light rail impacts on property values analyzing Houston's METRORail	Elizabeth Cochrane Campbell	2011
26	Ridership analysis at the stop level case study of Austin, TX	Han Park	2011
25	Safety at highway-railroad crossings a case study of the Austin-San Antonio corridor	Jennifer Jaye Zankowski	2011
24	Examining transportation's role in social vulnerability São Paulo, Brazil	Mary Colleen McGue	2011
23	Cooperation between high-speed rail and air travel in the United States	Shea Matthew Suski	2011

22	Policy-driven cost containment strategies for ADA mandated paratransit service a case study of Capital Metropolitan Transportation Authority	Christopher Chadwick Ballentine	2010
21	Integrating land use and transportation planning : metropolitan planning organizations' efforts and challenges	John Thomas Kennedy	2010
20	Development of sustainable transportation systems lessons from Curitiba, Brazil	Jorge Mata Otero	2010
19	Innovative transportation finance value capture techniques applied in the state of Texas	Shaun E. Tooley	2010
18	Transit oriented regions : past and present thoughts on regionalism	Andrea Lynn Hall	2009
17	Bridging Transportation Gaps for the Elderly in the Austin-Round Rock Metropolitan Statistical Area	Brandy Carroll	2008
16	Demographic characteristics of transit-oriented development areas in California	Chao-Hsing Huang	2008
15	Freight rail public-private partnerships : how Texas may accommodate the future surge in growth	Chelsea Elizabeth Demars	2008
14	Transit-oriented development : from single node to corridor	Ji Zhou	2008
13	Demographic and demand characteristics of carsharing : a case study of Austin, Texas	Martin K. Thomen	2008
12	Transit proximity and trip-making characteristics : a study of 2007 Chicago metropolitan region travel tracking survey	Sujin Hong	2008
11	Documentation and preliminary analysis of property values surrounding Austin's commuter rail stations	Chad Coburn	2007
10	Maglev high speed ground transportation for the Texas Triangle : a technology assessment	Gabriel Rojas	2007
9	Development of sustainable transportation systems: lessons from Curitiba, Brazil	Jorge Mata Otero	2007
8	Measuring accessibility to urban facilities for East Austin neighborhoods	Sungmin Lee	2007
7	Achieving transit value capture in the suburbs : the redevelopment of greyfield shopping malls	Julie Ann Wilke.	2006
6	Station area access within transit-oriented development : a typological analysis	Matthew Francis Hennigan	2006
5	Bus rapid transit and transit-oriented development in Austin, TX	Michelle Marx	2006
4	Identifying the Texas Triangle mega region	Vipin Nambiar	2006
3	Application of space time concept in GIS for visualizing and analyzing travel survey data	Xiaoyun Lu	2006
2	Methods for reducing congestion along I-35 and Mopac corridors	Grant Fisher	2005
1	Toward environmentally sustainable transportation: Case study of transportation policy in the city of Beijing, China	Xin Li	2005

**At Texas A&M University**

	<b><u>NAME</u></b>	<b>DEGREE SOUGHT</b>	<b>ROLE</b>	<b>YEAR SERVED</b>	
				<b>Start</b>	<b>Finish</b>
23	Lee, Sangkug	Ph.D. (Planning)	Chair	2001	2006
22	Lobyam, Sonchai	Ph.D. (Planning)	Chair	2001	2006
21	Kim, Jun	Ph.D. (Planning)	Chair	1999	2004
20	Xu, Zengwang	Ph.D. (Geog.)	Member	2001	2004
19	Hwang, Seong-Nam	Ph.D. (Planning)	Member	1999	2003
18	Lee, Jaeyong	MUP	Chair	2000	2002
17	Dahl, Aaron	MS (Arch)	Member	2001	2003
16	Griffin, Anna	M.Eng. (Civil)	Member	2001	2002
15	Chen, Binbin	MUP	Member	2001	2003
14	Soparia, Ujari	MUP	Chair	2001	2003
13	Govind, Naveen	MUP	Chair	2001	2003
12	Bierling, David	MS (Arch)	Member	2001	2003
11	Hogue, Norman	M.Eng. (Civil)	Member	2001	2003
10	Lu, Bing	MS (Geog.)	Member	2001	2003
9	Kim, Young-No	MS (Arch)	Member	2002	2004
8	Tydlacka, Jonathan	M.Eng. (Civil)	Member	2002	2004
7	Appiah, Justice	M.Eng. (Civil)	Member	2002	2004
6	Kang, Jungeun	MUP	Member	2002	2004
5	Lee, Jaechoon	MUP	Chair	2002	2004
4	Linenschidt, Mark	MUP	Chair	2002	2004
3	Kansara, Suhag	MUP	Chair	2002	2004
2	Nishant, Kukadia	MUP	Chair	2002	2004
1	Mohinder, Ruchi	MUP	Member	2002	2004