
CAN WANG

CURRICULUM VITAE

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EDUCATION

- Doctor of Philosophy, Tongji University, China (Sep. 2012 – Sep. 2017)
Department of Urban Planning and Design, College of Architecture and Urban Planning
Thesis Title: Research on Spatial Improvements of Shopping Malls Based on Consumer Behavior: A Case Study of Wujiaochang Wanda Plaza
Supervisor: Prof. De Wang
- Master of Engineering, Tongji University, China (Sep. 2009 – Mar. 2012)
Department of Urban Planning and Design, College of Architecture and Urban Planning
Thesis Title: Research on Traffic Impact Analysis of Regulatory Plan
Supervisor: Associate Prof. Yu-Qing Tang
- Bachelor of Engineering, Chang'an University, China (Sep. 2004 – Jul. 2009)
Department of Urban Planning, College of Architecture

JOURNAL PUBLICATIONS

1. Can Wang, De Wang, Wei Zhu, Shan Song. Multi-functional effects and mechanism of commercial complex under perspective of consumer behavior. *New Architecture*, in press.
2. Xi-Yuan Ren, Can Wang, De Wang. Spatial performance assessment on Shanghai Da Ning Commercial Center: from the perspective of consumer behavior. *Planners*, in press.
3. Xi-Yuan Ren, Can Wang, De Wang (2017). Spatial improving strategies based on behavior preference model: take the case of Da Ning Commercial Complex, Shanghai. *Time Architecture*, (5): 54-59.
4. De Wang, Can Wang, Wei Zhu, Shan Song (2017). Spatial features and assessment of consumer behavior in commercial complex. *Architectural Journal*, 581(2): 27-32.
5. Shan Song, De Wang, Wei Zhu, Can Wang (2016). Spatial allocation study on Shanghai's nursing facilities for the elderly: based on the elderly's choice behavior. *City Planning Review*, 40(8): 77-90.
6. Jia Fang, De Wang, Dong-Can Xie, Can Wang, et al. (2016). Research on dynamic change

and early warning of large tourist flow based on mobile signal data analysis: a case study of Gucun park Sakura Festival in Shanghai. *City Planning Review*, 40(6): 43-51.

7. Can Wang, De Wang, Wei Zhu, Shan Song (2015). Research progress of discrete choice models. *Progress in Geography*, 34(10): 1275-1287.
8. De Wang, Can Wang, Dong-Can Xie, et al. (2015). Comparison of retail trades areas of retail centers with different hierarchical levels: a case study of East Nanjing Road, Wujiaochang, Anshan Road in Shanghai. *Urban Planning Forum*, (3): 50-60.
9. De Wang, Can Wang, Wei Zhu, et al. (2015). Large-scale exposition planning and management optimization based on visitors' behavior simulation: a case study of Qingdao International Horticultural Exposition 2014. *City Planning Review*, 39(2): 65-70.
10. Lan Wang, Can Wang, Chen Chen, Hao Gu (2014). Development and planning of the surrounding area of high-speed rail stations: based on empirical study of Beijing-Shanghai line. *Urban Planning Forum*, (4): 31-37.
11. Can Wang, Yu-Qing Tang (2014). Inferential statistical research on features of hourly variations of urban public transportation parameters: a case study of Baoding. *Transportation Standardization*, 42(19): 34-37.
12. Can Wang, Yu-Qing Tang (2014). Mutual transformation between OD matrix and PA matrix. *Journal of Tongji University (Nature Science)*, 42(2): 252-258.
13. Can Wang, Yu-Qing Tang (2014). Discussion of system optimism and user equilibrium in traffic assignment with the perspective of game theory. *Journal of Wuhan University of Technology (Transportation Science & Engineering)*, 38(4): 850-854.
14. De Wang, Guang-De Li, Wei Zhu, Can Wang, et al. (2013). Establishment and application of consumers' behavior model in Guanqian commercial street, Suzhou. *City Planning Review*, 37(9): 28-33.

CONFERENCE PAPERS OR PRESENTATIONS

1. Can Wang, De Wang, Wei Zhu (May. 2016). Development of simulation system for pedestrian flow in shopping mall. *The 10th Practice Forum of Urban Planning Informatization*, Shanghai, China.
2. Can Wang, De Wang, Wei Zhu (Sep. 2015). Spatial features and assessment of commercial complex based on consumer behavior: a case study of Shanghai Wujiaochang Wanda Plaza. *Annual National Planning Conference 2015*, Guiyang, China.
3. Can Wang, De Wang, Wei Zhu (Jun. 2015). Simulation of consumer spatial behavior: a case study of Wujiaochang Wanda Plaza commercial complex. *The 9th International Association*

for China Planning (IACP) Conference, Chongqing, China.

4. Can Wang, De Wang, Wei Zhu (Apr. 2015). Consumer behavior in commercial complex: simulation models and planning implications. *Annual Conference of Association of American Geographers*, Chicago, USA.
5. De Wang, Can Wang, Wei Zhu, et al. (Nov. 2013). Simulation analysis of visitors' activities in Qingdao International Horticultural Exposition 2014. *Annual National Planning Conference 2013*, Qingdao, China.
6. Wei Zhu, De Wang, Can Wang, et al. (Nov. 2013). Application of multi-agent simulation technology in the planning and administration of large-scale exhibitions: a case study of Qingdao 2014 World Horticulture Exposition. *Symposium of the Academic Committee of Foreign Studies in Urban Planning & the Journal of Urban Planning International*, Wuhan, China.

INTERNATIONAL SEMINAR PRESENTATIONS

1. (Feb. 2017) Simulating consumer behavior in commercial complex. *Fukuoka University – Tongji University Geographical Seminar*, Fukuoka University, Japan.
2. (Jun. 2016) Consumer behavior in commercial complex: simulation models and planning implications. *2016 Workshop on Urban Planning and Management — New Methods and Techniques in Urban Planning*, Kanazawa University, Japan.
3. (Jan. 2015) Consumer behavior in commercial complex: a case study of Shanghai Wujiaochang Wanda Plaza. *Nagoya University – Tongji University Geographical Seminar*, Nagoya University, Japan.
4. (Aug. 2013) Pedestrian simulation of International Horticultural Exposition 2014 Qingdao. *Nagoya University – Tongji University Geographical Seminar*, Nagoya University, Japan.

RESEARCH PROJECTS

1. Working as main researcher of the project 'Research on Spatial Optimization Methods of Commercial Complex Based on Behavior Analysis', founded by *National Natural Science Foundation of China*, 2014 – 2017.
2. Participating in the project 'Application of Mobile Phone Big Data in Urban & Rural Spatial Analysis and Planning: Case Study of Shanghai City', founded by *Key Laboratory of Ecology and Energy-Saving Study of Dense Habitat (Tongji University), Ministry of Education*, 2014 – 2016.
3. Participating in the project 'Application Research on Urban Park Planning Using Level of

Service Method', found by *National Natural Science Foundation of China*, 2016 - 2017.

SELECTED INDUSTRIAL PROJECTS

1. Participating in the project 'Research on Multi-Scenario Prediction and Corresponding Strategies of Urban Size (Population & Land Use) of Shanghai City Under the Conditions of Tight Resource Constraints', 2014.
2. Participating in the project 'Traffic Simulation of Qingdao 2014 World Horticulture Exposition', 2012-2013.
3. Participating in the project 'Comprehensive Transportation System Plan of Bayuquan District, Yingkou City (2011 - 2030)', 2011.
4. Participating in the project 'Public Transportation Plan of Zaozhuang City (2011 - 2020)', 2010 - 2011.

HONORS & AWARDS

1. Tongji University: Guang-Hua Scholarship (Doctoral), 2015.
2. Tongji University: Academic Scholarships (Doctoral), 2012 – 2016.
3. Second Prize for the 8th National Mathematical Modeling Contest for Postgraduates, with Chen Chen & Shu-Ying Jia, 2011.

OTHER ACADEMIC ACTIVITIES

- **Research Instructing:** assistant-in-instruction of a Master student in Tongji University for his research in consumers' spatial behavior (Sep. 2016 – Aug. 2017), finished with a conference presentation and a paper published in top-tier journal.
- **Organizing:** participating in organizing work of conference *the 10th Symposium of Spatial Behavior and Planning: Big Data and Planning* (Jan. 2014).
- **Online Learning:** completing a number of courses on *Coursera.com* with verified certificates, including but not limited to *Machine Learning, Python Programming, Game Theory, Neural Networks, Social and Economic Networks, Probabilistic Graphical Models*.

SKILLS.....

- **Programming:** Matlab, Python (with Tensorflow)
- **Other Software:** ArcGIS, Stata, SPSS, NLogit, SQL Server, Lingo, UCINet, Amos, MS Office, AutoCAD, Photoshop, Premiere, TransCAD, Vissim (with Viswalk)
- **Languages:** Chinese (native), English (IELTS, 7.0/9.0 points), German (Goethe-Zertifikat A2, 93/100 points), Japanese: (Japanese-Language Proficiency Test N2, 161/180 points)