Kaidi Wang

Title： Assistant Professor

Faculty： School of Business

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Dept/Fields: Decision Science

Academic Qualification

2021 Ph.D.: Virginia Tech; Planning, Governance, and Globalization;

2017 Master: Beijing University of Posts and Telecommunications, Information Security;

2014 BS/BA: Xidian University, Information Security.

Teaching Activities

2022 Spring – Operations Analysis

2022 Spring – Data Driven Approaches and Applications

2021 Fall - Supply Chain Management

2021 Fall - Business Analytics

Work Experience

2021 – now Assistant Professor, Business School, Macau University of Science and Technology

Research Interest

Shared mobility; Urban analytics; Machine learning; Transportation Planning

Selected Journal Papers

Lim, T., & **Wang, K.** (2022). Comparison of machine learning algorithms for emulation of a gridded hydrological model given spatially explicit inputs. *Computers & Geosciences*, *159*, 105025.

Wang, K., & Zhang, W. (2021). The role of urban form in the performance of shared automated vehicles. Transportation Research Part D: Transport and Environment, 93, 102744.

Zhang, W., **Wang, K.**, Wang, S., Jiang, Z., Mondschein, A., & Noland, R. B. (2020). Synthesizing neighborhood preferences for automated vehicles. *Transportation Research Part C: Emerging Technologies, 120, 102774*.

Zhang, W., & **Wang, K.** (2020). Parking futures: shared automated vehicles and parking demand reduction trajectories in Atlanta. *Land Use Policy, 91, 103963*.

Major Conference Papers

Wang, K. (2022). A feature embedding-based clustering framework for traveler's sensitivity to policy. *The 16th International Association of China Planning (IACP) Annual Conference.*

Jia, W., Chen T.D., W. Zhang, Lim, L., **Wang, K.,** Mirla, A.(2021). Willingness-toRelocate: Analyzing Travelers' Parking Preferences for Private Autonomous Vehicles. *Transportation Research Board 100th Annual Meeting.*

Wang, K., Zhang, W., Chen, D., Jia W. (2021). Machine learning AV-related mode choice and nonlinear effects of key factors. *Bridging Transportation Researchers (BTR) Conference.*

Wang, K., Zhang, W., Mortveit, H., & Swarup, S. (2020). Improved Travel Demand Modeling with Synthetic Populations. *The 21st International Workshop on Multi-Agent-Based Simulation (MABS2020).*

Wang, K., Xie, W., & Zhang, W. (2019). Parking Space Optimization in the Era of Private Automated Vehicles (No. 19-05868). *Transportation Research Board 98th Annual Meeting.*

Other Professional Activities.