

KAIDI WANG

Architecture Annex · 140 Otey St · Blacksburg, VA 24061 US

(540)739-9577 · kaidi@vt.edu · kaidiw.com

EDUCATION

Ph.D. in Planning, Governance, and Globalization

2018-present

Dissertation: The mutual effect between AV systems and cities: the role of urban forms, AV mode share and social interaction potential

Department of Urban Affairs and Planning

School of Public and International Affairs

Virginia Polytechnic Institute and State University

Ph.D. in Computer and Information Sciences

2017-2018

Department of Computer Science

College of Engineering

Virginia Polytechnic Institute and State University

M.S. in Information Security

2014-2017

The Research Center of Information Security

School of Cyberspace Security

Beijing University of Posts and Telecommunications

B.S. in Information Security

2010-2014

Department of Information Security

School of Telecommunications Engineering

Xidian University

RESEARCH INTERESTS

Urban analytics; Emerging transportation technology; Big data and applied machine learning in urban studies; Geographic information systems.

AWARDS, HONORS, AND FELLOWSHIPS

First Grade Scholarship

2014-2016

Beijing University of Posts and Telecommunications

National Encouragement Scholarship **Top 1%**

2013

Xidian University

The postgraduate recommendation **Top 2%**

2013

Xidian University

The Third Prize in the 24th Spark-Cup Undergraduate Academic and Technology Competition *2013*

Xidian University

First Grade Scholarship **Top 8%**

2010-2012

PUBLICATIONS

Refereed Journal Articles

Wang, K., W. Zhang, The Role of Urban Forms on the Performance of Shared Automated Vehicles (SAVs). Transportation Research Part D. (Under Review)

Wang, K., & Zhang, W. Parking Space Optimization in the Era of Private Automated Vehicles. (Under Review)

Jia, W., Chen T.D., W. Zhang, Lim, L., **Wang, K.**, Miral, A. Willingness-toRelocate: Analyzing Travelers' Parking Preferences for Private Autonomous Vehicles. (Under Review)

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.

Peer-Reviewed Conference proceedings

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.

TEACHING EXPERIENCE

Teaching Assistant SPIA 3554 transdisciplinary research method	2020 Spring
Teaching Assistant UAP3024 Urban and Regional Analysis	2019 Fall
Teaching Assistant SPIA3554 transdisciplinary research method	2019 Spring
Teaching Assistant Introduction to C++ programming	2017 Fall

PROFESSIONAL SKILLS

Urban Modeling	GIS, MATSim
Computer Languages	Python, R, CSS, HTML, Javascript
Tools	Git