

2022 Fall/23 Spring Ph.D. opportunity in Transportation Engineering

Position description

The Transportation Systems Engineering (TSE) program in the Department of Civil, Construction, & Environmental Engineering at the University of Alabama is seeking highly motivated students for a graduated research/teaching assistant position to conduct research in the field(s) of:

- Modeling and learning of electric shared mobility systems/public transit.
- Infectious disease and urban transportation.
- Trip and trajectory data mining and urban computing
- Complex network and interdependent networks

Applicants with strong optimization / machine learning / network science / programming skills (Matlab, Python, Java, C++) are encouraged to apply. A master's degree in Transportation Engineering, Industrial Engineering, Computer Science, or relevant fields is highly preferred. If you are interested, please send your CV, transcripts, and TOEFL/GRE scores (if available, but can be waived) to xinwu.qian@ua.edu. Accepted Ph.D. students will be provided with full financial support from 2022 Fall and onward.

About Dr. Xinwu Qian

Dr. Xinwu Qian is an Assistant Professor in the Department of Civil, Construction, & Environmental Engineering since Fall 2020. Prior to join UA, he worked as a postdoctoral associate in the Lyles School of Civil Engineering at Purdue University. His research focuses on the intersection of urban computing, data analytics, and network modeling for improving the efficiency and resilience of urban transportation systems. He received his bachelor's degree in Transportation Engineering at Tongji University, Shanghai, China, and his MSE and Ph.D. degrees in Civil Engineering at Purdue University in 2014 and 2018, respectively. His ongoing research is funded by USDOT on developing more disease resilient transportation systems. His research has been published in leading journals such as Transportation Research Part B & C and IEEE Transactions on Intelligent Transportation Systems.

About University of Alabama

The University of Alabama (UA) is a public research university located in Tuscaloosa, Alabama, United States, and the flagship of the University of Alabama System. Founded in 1820, UA is the oldest and largest public universities in Alabama. It is among Doctoral Universities – Very High Research Activity status, formerly known as the R1 category, according to the Carnegie Classification of Institutions of Higher Education. UA is now ranked in Tier 1, the top tier of national universities in U. S. News & World Report Ranking.

Contact Information

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