



UNIVERSITY OF
GEORGIA



2023 Fall/2024 Spring fully funded Ph.D. student opening in Intelligent Transportation Systems

Position Description

Cooperative Automated Mobility Innovations (CAMIs) Lab directed by Dr. Qianwen (Cami) Li is seeking full-time self-motivated Ph.D. students who have an interest in intelligent transportation systems (ITS). Full scholarships will be provided to cover the student's tuition and stipend. Potential research areas include but are not limited to the following:

- Artificial intelligence empowered transportation systems
- Connected and automated vehicle (CAV) modeling, control, and field experiments
- Smart city infrastructure systems
- Transportation safety

Applicants with experience in machine learning, optimization, CAV development, and control theory are encouraged to apply. Students will have the opportunity to work on a CAV testbed consisting of robot cars, full-scale vehicles, and a driving simulator. Successful candidates are expected to conduct interdisciplinary research to advance both theoretical and field developments in ITS. Prior programming skills (such as Python, C++, and Matlab) are **required**. A master's degree in Civil Engineering, Computer Science, Electrical Engineering, Mechanical Engineering, or other relevant fields is preferred.

About the University of Georgia

The University of Georgia (UGA) is a highly prestigious institution known for its academic excellence, world-class faculty, and exceptional student experience. Founded in 1785, UGA is one of the oldest public universities in the United States and has a rich history of providing a first-class education to its students. It is the flagship school of the University System of Georgia, classified as "R1: Doctoral Universities – Very high research activity".

UGA held fast at **No. 16** in U.S. News & World Report's 2023 ranking of the best public universities in the nation, marking the seventh consecutive year that UGA has placed in the top 20. UGA's ranking in the 2022-2023 edition of Best Colleges by U.S. News & World Report is **No. 49**.

About Dr. Qianwen Li

Dr. Qianwen (Cami) Li is an upcoming Assistant Professor in the School of Environmental, Civil, Agricultural and Mechanical Engineering (ECAM) at the University of Georgia, starting August 1st, 2023. Dr. Li received her Ph.D. degree and master's degree from the University of South Florida with a concentration in Transportation Engineering in 2022 and 2020, respectively. She won the prestigious Milton Pikarsky Memorial Award for the best Doctoral dissertation from the Council of University Transportation Centers (CUTC), which is the only one awarded in the field of science and technology in the nation. Dr. Li was also the recipient of the Neville A. Parker Award for the best non-thesis master's project reports from CUTC.

Dr. Li's research interests include traffic data collection and analytics, CAV modeling and field experiments, and smart city infrastructure systems. Dr. Li served as the PI or Co-PI for a number of research projects (e.g., funded by the US Department of Energy and Florida Department of Transportation) with a total budget of over \$5M. Her works have been published in top transportation journals, such as Transportation Research Part E, Transportation Research Part D, Accident Analysis & Prevention, and IEEE Transactions on Intelligent Transportation Systems. Please see [Dr. Li's CV](#).

If you are interested, please send your CV, class ranking and transcripts (undergraduate and graduate) to Dr. Li at qianwenli@usf.edu.