

Kuilin Zhang

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Research Interests

- Data-driven distributionally robust optimization (DRO) based control models for connected and automated vehicles (CAVs)
- Big traffic data analytics using machine learning
- Deep Reinforcement Learning (DRL) and Graph Neural Networks (GNN) for transportation applications
- Mobile and crowd sensing of dynamic systems
- Dynamic network equilibrium and optimization
- Modeling and simulation of large-scale complex systems
- Freight logistics and supply chain systems
- Impact of plug-in electric vehicles to smart grid and transportation network systems
- Interdependency and resiliency of large-scale networked infrastructure systems
- Vehicular Ad-hoc Networks
- Smart Cities
- Cyber-Physical Systems



Links of Interest



[Dr.Zhang's Website](#)



[Publications](#)