SB35. Learning in Transportation Network Modeling

Location:
Summit - 427

Session I Oct 20, 10:45 AM - 12:00 PM	Session II Oct 20, 12:45 PM - 2:00 PM
An Unsupervised Learning-Based Branch-and-Price With Neural-Cuts Framework to Solve Dial-A-Ride Problem *Xinwu Qian, Rice University.*	**Online Routing for Connected Vehicles Against Stealthy Cyberattacks** *Minghui Wu, University of Michigan;*
Learning from Global Satellite Imagery and Local Sensor Data for Enhanced Dynamic Origin-Destination Demand Estimation *Jiachao Liu, Carnegie Mellon University.*	**Providing Real-TIME En-Route Suggestions to Cavs for Congestion Mitigation: a Two-Way Deep Reinforcement Learning Approach** *Xiaoyu Ma, Rensselaer Polytechnic Institute;*
Linear Complementarity Systems for the Morning Commute Problem with Ridesharing and Dynamic Pricing *Wei Gu, University of Southern California..*	**Online Relocating and Matching of Ride-Hailing Services: a Model-Based Modular Approach** *Chang Gao, Department of Industrial Engineering, Tsinghua University;*
Designing Robust Transportation Networks with Imperfect User Equilibrium Predictions *Zhichen Liu, University of Michigan;*	**Discovering Traffic Dynamics from Trajectory Data Through Deep Learning** *Ohay Angah, University of Washington;*