Regional Transportation Seminar
Optimization and Machine Learning in Urban Transportation Under a Sharing Economy

Live Stream Link: https://www.youtube.com/watch?v=S-N7oYVvJMQM

Thursday, October 6 | 4:00 p.m. | UW HUB 340

As our cities grow, competition for staff (workers), stuff (equipment, such as cars) and space (location) grows, and greater efficiencies in resource (staff and stuff) and space utilization in the context of transportation services are required to support vibrant local economies. On-line, optimization and machine learning can aid in the creation of new transportation markets and services, as well as new service mechanisms for existing services (e.g. equitable microtransit services), and, off-line, can inform urban transportation planning and policy. This talk will describe mathematical, algorithmic, and machine learning methods for designing and operating such urban transportation services in dense, competitive urban environments. Applications specific to bicycle and carsharing, ridesharing, parking, and delivery will be described.

All events are free and open to the public. Reception to follow and all are welcome.