Cities worldwide are undergoing radical changes in their transportation systems with the advent of advances in technology. Recent trends include the proliferation of on-demand and shared services and automation in public and private transportation systems. These trends have heightened interest in Intelligent Transportation Systems (ITS), Smart Mobility, and real-time network management as potential solutions to mitigate congestion issues and improve network efficiency. ITS techniques traditionally include real-time traffic control measures and real-time traveler information and guidance systems whose purpose is to assist travelers in making travel decisions including departure time, mode, and route choice decisions. Transportation researchers have developed models and simulation tools for use in the planning, design, and operations of such systems. However, with the advent of new technologies and services, these techniques need to be modified and better leveraged to improve system performance.

This program is intended for individuals interested in theory, research and practice, including: professionals in the mobility industry, individuals with experience in transportation consulting, planning and related government agencies, PhD students in transportation systems, civil engineering, economics, planning and urban mobility, and individuals with backgrounds in traffic engineering, systems engineering, operations management and control systems.

One full-tuition scholarship will be awarded to an outstanding doctoral student with an application deadline of June 1, 2019. Partial scholarships (50%) are also available for junior faculty, postdocs, and doctoral students.

Additional information is available here.