CTECH Living Lab for Mobility Innovation: Transportation Workshop
Monday December 4, 2017
10:15-11:45 A.M.
Biotechnology Building Room 130
Zoom Meeting Link: https://cornell.zoom.us/j/102392527

The Center for Transportation, Environment, and Community Health (CTECH), http://ctech.cee.cornell.edu/, pursues research and innovation to support sustainable mobility of people and goods while preserving the environment and improving community health. It leverages behavioral and economic sciences, epidemiology, information technology, and environmental and transportation sciences and technologies to address critical issues falling under the FAST Act’s priority area of Preserving the Environment: greenhouse gas reduction, use of alternative fuels and energy technologies, environmentally responsible planning, and impacts of freight movement. Through multi-level, multidisciplinary and institutional collaborations, CTECH will advance transportation sustainability in its broader human and environmental contexts.

Agenda

10:15-10:30 A.M. Introduction
Opening Remarks:
   Bridgette Brady, Senior Director of Cornell Transportation and Mail Services
   CTECH Living Laboratory for Mobility Innovation towards Carbon-Neutral Cornell
   H. Oliver Gao, Director CTECH
Why Target Transportation?
   Jared Hibshman, CTECH Living Laboratory Student Project Coordinator

10:30-11:30 A.M. CTECH Living Lab Student Project Presentations (8 minutes each)
   Biodiesel Engine Feasibility Project
      Gregory Brumberg and Manisha Kunala of Engineers for a Sustainable World: Biofuels
   Electric Vehicle Charging Stations
      Srajal Raizada, Apurti Marodia, Srajan Shetty, Bakulesh Singh, and Simon Yu
   Electrifying Cornell Fleet
      Nilesh Deshpande, Ye Lin Kim, JD Paff, and Daniel Sachs
   Optimization of Cornell EV Rental
      Yue Wang
   Mini Electric Shuttle System
      Zelin Linghu, Yingqing Chen, Ran Gao, Siran Jia, and Chenxi Yang
   Simulation, Modeling, and Optimization Tools for Transit Network Design
      Robert Gurnee

11:30-11:45 A.M. Open Discussion