



Autonomous Vehicles: What to Expect in the Near and Long Terms

Yeganeh Mashayekh, Ph.D.
Researcher, Carnegie Mellon University



Date -Wednesday, August 28, 2013

Time - 12 Noon— 1:00 PM

Location - Room 250, SCOB (Parking)

Lunch will be provided

Speaker:

Dr. Yeganeh Mashayekh has a bachelor's in civil and environmental engineering from University of Nebraska, a master's in civil and environmental engineering with an emphasis on transportation engineering from UC-Berkeley. She recently finished her dual Ph.D. in Civil Engineering and Engineering and Public Policy at Carnegie Mellon University, where she continues to work as a researcher. Her past research has focused on land use and traffic congestion management strategies to promote urban environmental sustainability. Prior to joining Carnegie Mellon, she worked as a senior transportation engineer focusing on planning and traffic operation projects in the States of California and Nevada. She currently leads a number of projects in the field of connected and autonomous vehicles covering a range of impacts that these new technologies would have on the nation's infrastructure, freight system, environment, and energy.

Abstract:

Autonomous vehicles will significantly change the way people travel in the future. As these vehicles find their way to the market and join our roads, they will impact traffic and freight flow, vehicle ownership, operations, existing infrastructure, land use patterns, environment and energy. This work examines some of the impacts associated with autonomous vehicles, their pros and cons as well as uncertainties that exist in estimating the net effect of these vehicles.