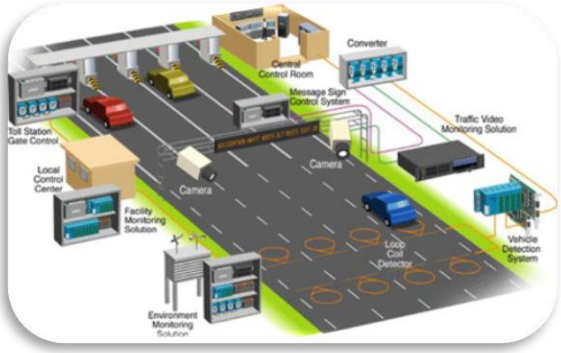
IEEE SE Michigan CS & CIS/SMC Society Chapters

Presents:

Intelligent Vehicles and Transportation Systems



IEEE Southeastern Michigan

Electrical and Electronic Engineers Creating Our Future

Nearly every facet of our society is undergoing a shift of connecting the individuals to the community. The "Internet of Things" movement is giving great power to the individuals, by personalizing information that is time and location-aware. In the broad transportation community, building on the momentum and success of prior and current research, two primary areas have been identified as the forefront of ITS (Intelligent Transportation Systems) research, Connected and Automated Vehicles (CAV). In this talk, I will first talk about the research challenges and opportunities in intelligent vehicle and transportation systems, and present three related research projects, accurate prediction of traffic flow using neural networks, personalized driving route prediction based on V2I communication and neural learning, and remote vehicle trajectory detection and prediction based on V2V communication data using geometric modeling and neural networks.

Speaker:

Yi Lu Murphey,
Distinguished Lecturer Computational Intelligence Society
Professor, Department of ECE, University of Michigan-Dearborn

At Glance

- When:
  Date: March 9th, 2022
  Time: 04:30 – 5:30 PM (EST/EDT)
- Where:
  Online via Webex (to be shared only after you have a confirmed registration)
- Audience: OPEN to ALL*

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