

The FMRI and ITE Student Chapter at FAU Presents:

Talking, Robot, or Talking Robot Cars?

Lecture Presentation By,

John Hourdos, Ph.D., Director of the Minnesota Traffic Observatory and Research Associate Professor of Civil Engineering, University of Minnesota



Abstract: Even the most grounded and conservative transportation engineer can agree that a revolution is underway ushering a fundamental change to surface transportation and beyond. Times of great change are also times of great confusion. Connected Vehicles, Connected Automated Vehicles, or is it Connected Autonomous Vehicles? Plethora of acronyms like V2V, V2I, V2X, peppered with DSRC, C-V2X, and now Sirius-XM!!!

This lecture will attempt to clear some of the confusion, separate reality from hype and spin, and offer a grounded frame of reference for engineers to formulate their own opinions on the immediate future. Implications of this transportation revolution to users and owners of public roads, including freight and transit operators will be discussed.

Presenter Bio: Graduate with a BS in Civil Engineering from the University of Patras in Greece and completed his MS and PhD at the University of Minnesota where he works now for the last 14 years. Dr. Hourdos has extensive experience with the theoretical and practical aspects of traffic safety, as well as traffic flow theory and modeling. While his initial work focused on automatic incident detection on freeways, he is internationally known for his work in microscopic simulation and traffic modeling. Dr. Hourdos was the main designer of the University of Minnesota Freeway Detection and Surveillance System (FDSS) and creator of the I-94 Freeway Safety field laboratory. In his role as the director of the Minnesota Traffic Observatory, Dr. Hourdos manages a team of professional engineers and students assisting MnDOT and University faculty in their research projects.

Date: Wednesday, April 3rd, 2019

Time: 11:00 AM

Place: Instructional Services Bldg. 4, Room 113

Lunch will be provided