ICON Weekly Seminar:

JIM MISENER

V2X and Automated Vehicles: Will They Converge?

Time: Oct. 4, Friday, 3-4 pm Eastern Time

Location: MSEE 112

Zoom Link: https://purdue-edu.zoom.us/j/98798335169

Free coffee and snacks will be provided!

ABSTRACT

This talk will cover the progress of V2X, focusing on the United States but referencing other global regions as well. It will begin with the safety-focused problem statement for ad hoc short-range communications, then progress to how the underlying radio access technology works, and the C-V2X vs DSRC comparison where ultimately C-V2X emerged as the protocol of choice in North America. The talk will also cover application profiles for a so-called Day 1 deployment and will end with a prognosis on when and how the "Day X" deployment where communicated messages might be used for the connected and automated vehicle future that many envisage.

SPEAKER

Jim Misener is Senior Director, Product Management and the Global V2X Ecosystem Lead for Qualcomm and develops and executes Qualcomm's C-V2X deployment strategy across all global regions. Previously at Qualcomm, Mr. Misener led the automotive standards team. Mr. Misener was a pioneer in vehicle-highway automation and vehicle safety communication at the California Partners for Advanced Transit and Highways (PATH) at UC Berkeley. He has served as the PATH Executive Director, Executive Advisor to Booz Allen Hamilton, and as an independent consultant. In these roles Mr. Misener has experience and reputation of delivering dozens of technology projects with large scale safety impact.

In addition to his roles at Qualcomm, Mr. Misener serves as a 5GAA board member, ITS America Board member, ITS California board member, serves on the IEEE ITS Society Board of Governors and is active member of TRB ITS and Vehicle-Highway Automation Committees, where he has led the initial definition for on what could constitute a digital infrastructure. He established and is the immediate past chair of the SAE C-V2X Technical Committee. Mr. Misener also serves as an Advisory Council member to Mobility 21-Traffic 21 led by Carnegie Melon University and on the Technical Advisory Board to the Center for Connected and Automated Transportation and the University of Michigan. Mr. Misener is also a member SAE WCX Technical Advisory Committee. Mr. Misener holds BS and MS degrees from UCLA and USC.

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OPTIMIZATION AND NETWORKS

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