

Development of an Operational Safety Assessment Methodology for Automated Vehicles

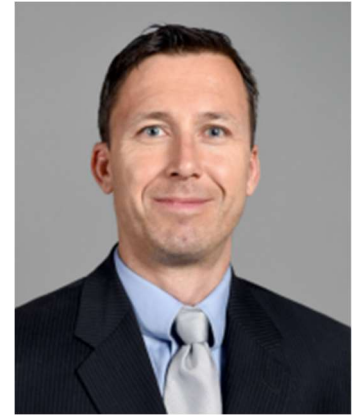
Jeffrey Wishart, Ph.D.

Manager, Vehicle Engineering
Exponent, Phoenix, AZ

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12:00 to 1:15 PM US Arizona

https://asu.zoom.us/webinar/register/WN_KbDsRWjJQqevtuPrNMVZdQ



About the Speaker

Jeffrey Wishart is a Managing Engineer at the Test and Engineering Center of Exponent, Inc. as well as Adjunct Professor in Automotive Systems of the Ira A. Fulton Schools of Engineering at Arizona State University. Dr. Wishart conducts research and development in the areas of energy and advanced transportation, including advanced powertrains, automated vehicles, electric vehicle supply equipment, energy storage systems, and micro-mobility applications. Dr. Wishart is also the Chair of the Verification and Validation (V&V) Task Force under the On-Road Automated Driving (ORAD) SAE committee that is establishing standards for automated vehicles.

A Canadian, Dr. Wishart has a Ph.D. in Mechanical Engineering from the Institute for Integrated Energy Systems at the University of Victoria, an M.Sc. in Engineering Physics from the University of Saskatchewan, and a B.Sc. in Engineering Physics (Mechanical Engineering Minor) from the University of British Columbia.

About the Talk

The automotive industry is in flux, with four trends dramatically altering the landscape: (1) electrification, (2) automation, (3) connectivity, and (4) mobility as a service. Automation is the trend with likely the largest overall impact, but assuring the public that automated driving system (ADS)-equipped vehicles (AVs) are safe for deployment on public roads is a critical, and outstanding, task. There are many challenges associated with building the so-called safety assurance case, and various entities are taking on these challenges with varying approaches. This presentation will provide the context for the unique challenges presented by AVs, as well as describing the work being done by the Institute of Automated Mobility (IAM) and the Society of Automotive Engineers (SAE) Verification and Validation (V&V) Task Force under the On-Road Automated Driving (ORAD) Committee in building elements of the safety assurance case.

This seminar has been converted to a webinar and is now webcast live to a worldwide audience using Zoom.

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