



2015 FALL CONFERENCE

Tuesday Evening, November 17, 2015

**University of Michigan - Dearborn
Fairlane Center – North Building**

19000 Hubbard Drive, Dearborn, Michigan 48126



Autonomous Vehicles: Their Legacy and Future

What will our life be like with autonomous vehicles? Will it be the anticipated utopia or will there are new concerns that have to be considered?

The presentation provides a history of Automated Vehicles and Highways with some highlights of the 1997 National Automated Highway Demonstration. Many automated features have been introduced since the 1997 Demonstration for reasons described in this presentation. The presentation will discuss the challenges facing consumer education and adoption of these features and will show how vehicle to vehicle communication can facilitate the future of autonomous vehicles. Finally, the presentation will offer a future vision of what life may be like with autonomous vehicles.



Keynote Speaker: Robert L. Neff

Dedicated Short Range Communications (DSRC):
Member SAE J2735, J2945 Technical Standards Committee
Past Chair DSRC Vehicle Safety Subcommittee
Co-Founder Intrass Corporation
SAE: Life member
IEEE: Senior member and SEM Section Chairman

Registration: Registration Website: https://meetings.vtools.ieee.org/meeting_registration/register/34367

Early Registration ends October 20, 2015 at 11:59 PM.

Late Registration ends November 12, 2015 at 11:59 PM.

After November 12, 2015, Technical Presentations Only.

Conference Attendee Fees:

	Early	Late
Students/Retired/Unemployed (Members)	\$25	\$35
IEEE and ESD Members	\$45	\$60
Non Members	\$60	\$80
Technical Sessions Only		\$30
First Two Poster Authors		\$0
Additional Poster Author		\$25

Professional Engineers: Up to 3 Continuing Education Hours available

Conference Website: www.ieee-sem.org/fall





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Technical Presentations:

Chapter 2 – Vehicular Technology Society

Vince Socci **“The Myths and Magic of Autonomous Vehicles”**

Chapter 4 –Trident, Antennas and Propagation Society, Electron Devices Society, Microwave Theory and Techniques Society, Photonics Society

Chapter 1 - Circuits, Information Theory, Signal Processing

Samir Rawashdeh **“Obstacle Detect, Sense, and Avoid for Unmanned Aerial Systems”**

Chapter 5 – Computer Society

Will Tu **“IoT The next generation of embedded”**

Chapter 10 – Technology Management Council

Jack Cederquist **“ IEEE-USA Government Fellowships - Congressional, State and USAID”**

Chapter 11– Engineering in Medicine and Biology Society

John P. Seymour **“Advancing Brain Research with MEMS and Microsystems”**

Consultants Network Affinity Group

Tarek Lahdhiri **“Resume Writing and Job Hunting Skills”**

Life Member Affinity Group

Abhilash Pandya **“Tele-operated Robot Visualization and Control”**

Women in Engineering Affinity Group

Monica E. Mitchell **“Growing a Career as a Women Engineer at GM – Dos and Do Not”**

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