Technology Takes the Wheel

2018 BI-MONTHLY SEMINARS ON AUTONOMOUS VEHICLES

Presented by
The University of Toledo College of Engineering and AAA Northwest Ohio

COLLEGE OF ENGINEERING
THE UNIVERSITY OF TOLEDO

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2018 BI-MONTHLY SEMINARS ON AUTONOMOUS VEHICLES

KICKOFF SEMINAR

Wednesday, Feb. 7, 2018
3–5 p.m.

Presented by
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Technology Takes the Wheel

Welcome and Overview

T. Michael Toole, PhD, Dean, The University of Toledo College of Engineering

Introduction

Lissa Guyton, Reporter, 13abc

Featured Speakers

Greg Brannon, Director of Automotive Engineering and Industry Relations
Automotive Research and Testing, AAA
"The Road to Autonomy"

Dave Hobbs, Field Service Training Instructor, Delphi Products and Service Solutions
"Automated Vehicle Technology for Engineers and the Real World"

David Silver, Leader, Self-driving Car Program, Udacity Inc.
"How to Become a Self-driving Car Engineer"
TEDx Video Presentation
(presented at Oct. 17, 2017 TEDx)

Panel Discussion

Moderator: **Lissa Guyton**

Eddie Chou, PhD, The University of Toledo College of Engineering

Ahmad Javaid, PhD, The University of Toledo College of Engineering

Jared Oluoch, PhD, The University of Toledo College of Engineering

Greg Brannon

Dave Hobbs

Closing Remarks

Reception to follow in the adjacent Brady Center

The next seminar in the ***Technology Takes the Wheel*** series
will take place **Friday, April 13, from 3-5 p.m.**,
in The University of Toledo's Nitschke Auditorium.
The topic will be Cybersecurity and Autonomous Vehicles.

Greg Brannon oversees automotive research and testing at AAA. His focus is building AAA's technical expertise on emerging automotive issues to serve the association's 56 million members. He is regularly featured as an expert on automotive technology in national media and has appeared in the Associated Press, USA Today and Car and Driver. Leading AAA's automotive industry relations, Greg also has been a featured speaker at national safety conferences, fosters AAA's relationships with industry stakeholder groups and provides guidance to the automotive and safety industries.

Dave Hobbs' work at Delphi Products and Service Solutions includes developing training for the aftermarket, with extensive OEM service and field engineering expertise. He has more than 30 years of experience in vehicle-systems electronics troubleshooting, including 15 years in the independent aftermarket repair business. He is a Master ASE, L1 certified, and has trained engineers and service technicians worldwide. Dave also teaches post-secondary vocational/community college students as an adjunct instructor and is a regular contributor to several automotive-service trade publications.

Dr. Eddie Chou is Professor of Civil and Environmental Engineering at UT and Director of the Transportation Systems Research Lab. He has nearly 30 years of experience as a researcher in the transportation engineering field. His research interests include transportation asset management, smart transportation systems and applications of analytical tools, including traffic simulation, optimization and artificial intelligence, to solve transportation problems. Dr. Chou has conducted more than $7 million of externally funded research as a principal investigator of more than 40 research projects.

Dr. Ahmad Javaid is an Assistant Professor of UT's Department of Electrical Engineering and Computer Science and founding Director of the Paul A. Hotmer Cybersecurity and Teaming Research (CSTAR) Lab. He is an expert in cybersecurity, human-machine teams and applications of data analytics, AI and machine learning to cybersecurity. At UT, he has participated in research proposals leading to a sum of $4.3 million in funding. These projects have been funded by various agencies, including the National Science Foundation (NSF), the Air Force Research Lab and the state of Ohio. He played a critical role in the cultivation of a significant private gift to support the CSTAR lab for cybersecurity research.

Dr. Jared Oluoch is an Assistant Professor of Computer Science and Engineering Technology (CSET) at UT. He is Program Director of the CSET and IT programs, where he is responsible for advising, curriculum review and ABET accreditation. He has received two NSF grants – the first of $50,000 for addressing information security with channel coding at the physical layer and the second of $1.8 million for understanding how integrated computational thinking, engineering design and mathematics can help students solve scientific and technical problems in career technical education.