

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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Technology Takes the Wheel

2018 BI-MONTHLY SEMINARS ON AUTONOMOUS VEHICLES

Cybersecurity and Autonomous Vehicles

Friday, April 13, 2018
3-5 p.m.

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Welcome and Overview

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

Introduction

Lissa Guyton, Reporter, 13abc

Featured Speakers

Jennifer Dukarski, Butzel Long Attorney and Shareholder
Ann Arbor, Mich.

“Cybersecurity, Legal Implications and How Engineers Can Navigate the Risks”

Mike Krajecki, KPMG Director of Risk Consulting
Chicago

“Protecting the Future of Transit: Emerging Threats from the Cyber-Physical World to the Connected Vehicle Ecosystem”

Video Presentation

“Hackers Remotely Kill a Jeep on the Highway – With Me in It”

Featuring Wired Senior Writer **Andy Greenberg**,
Twitter Security Engineer **Charlie Miller** and
loactive Director of Vehicle Safety Research **Chris Valasek**
(youtu.be/MK0SrxBC1xs).

Vehicle Spotlight: 2018 Kia Stinger

Courtesy of Taylor Kia of Toledo of the Taylor Automotive Group. The advanced driver assistance systems package included in the vehicle will be introduced.

Panel Discussion

Moderator: **Lissa Guyton**

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

Weiqing Sun, PhD, The University of Toledo College of Engineering

Jennifer Dukarski

Mike Krajecki

Closing Remarks

Reception to follow in the adjacent Brady Center

The next seminar in the **Technology Takes the Wheel** series will be in June 2018 on the topic of Public Transportation and Autonomous Vehicles.

Jennifer A. Dukarski is a shareholder based in Butzel Long’s Ann Arbor office. She represents automotive suppliers in vehicle safety, connected and autonomous car technology, and warranty and product-quality disputes. Her expertise as a former design engineer and quality manager has made her a valuable team member in complex, product-related litigation covering warranty disputes, trade secrets and potential supply-chain stoppages. She has represented clients involved in field recalls and FMVSS noncompliance with NHTSA. She also advises on big data and technical matters, including the connected and autonomous car, automotive threat vectors and privacy. Jennifer uses her emerging technology expertise to draft and negotiate development agreements and technology licensing. She is a contributor to the Original Equipment Supplier Association (OESA) North American OEM Production P.O. Terms and Conditions Comparative Analysis and serves as counsel to OESA’s Product and Technology Development Council.

Mike Krajecki is a director in KPMG’s Emerging Technology Risk Consulting practice. He has been with the firm since 2007 and has led the development of KPMG’s Internet of Things (IoT) Risk and Governance service offering and supporting delivery framework. Mike also is a member of KPMG’s Automotive Cybersecurity network and has helped automotive OEMs and suppliers identify, assess and manage risks related to connected and autonomous vehicles. He has helped author multiple white papers on vehicle technology and often presents at industry conferences covering a variety of disruptive technologies. Mike’s professional accreditations include Certified Public Accountant (CPA) and Certified Information Systems Auditor (CISA).

Dr. Ahmad Javaid is an assistant professor in 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 cumulative 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. He has published more than 30 peer-reviewed journal and conference papers. He also has served as a reviewer for several high-impact journals and as a member of the technical program committee for several conferences.

Dr. Weiqing Sun is an associate professor in the Department of Computer Science and Engineering Technology at The University of Toledo. He earned his PhD degree in computer science from Stony Brook University (SUNY at Stony Brook) in 2008. His primary research interests are in the areas of computer and network security, in particular, malware defense and detection, security policy development, security testbeds development, intrusion detection, enhancing the security of various critical systems including smart grids, cloud computing, software-defined networks, unmanned aerial vehicles, health-care information systems and transportation information systems. He has published more than 50 peer-reviewed papers in international journals and conferences, and is currently serving as director of the Advanced Computing Research Lab. His research has been supported by the Ohio Department of Transportation and The University of Toledo.