



EVENT-AT-A-GLANCE FROM ADAS TO AUTOMATED DRIVING SYMPOSIUM

October 9–11, 2018

October 9 TUESDAY

Welcome and Opening Keynote

360

9 a.m. *Opening Remarks*, Tim Cavanaugh, SAE International

9:05 a.m. *Keynote Presentation*, The Honorable Gary Peters, United States Senator

Market Analysis and Outlook

360

10 a.m. *ADAS to Autonomy, A Means To An End?*, Roger Lancot, Strategy Analytics

10:30-11 a.m. **Networking Break 360 Foyer**

Deployment Strategies

360

11 a.m. *Vehicle Communications (V2X)*, Robert Neff, Intrass

11:30 a.m. *Presentation*, Jeff Blackburn, Metamoto

Noon-1 p.m. **Networking Lunch 360 Foyer**

Safety

360

1 p.m. *Hardware-in-the-Loop (HIL) Implementation and Validation of SAE Level 2 Autonomous Vehicle with Subsystem Fault Tolerant Fallback Performance for Takeover Scenarios*, Adit Joshi, Ford Motor Co.

1:30 p.m. *The Two Pathways to Safe Mobility*, Joseph Kanianthra, retired, NHTSA

2 p.m. *Observations on ADAS and Automated Driving in the Wild*, Bryan Reimer, Massachusetts Institute of Technology

2:30 p.m. *Integrated Safety*, Frank Laakmann, ZF

3 p.m. *Challenges and Opportunities in Crashworthiness Evaluation of Autonomous Vehicles*, Priya Prasad, Retired Ford Motor Company Technical Fellow; President, Prasad Engg LLC

3:30-4 p.m. **Networking Break 360 Foyer**

4-5:30 p.m. Technical Breakouts

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5:30-6:30 p.m. **Networking Reception 360 Foyer**

EXHIBIT HOURS

Tuesday 1–6:30 p.m.
Wednesday 8 a.m.–6 p.m.
Thursday 8 a.m.–1:30 p.m.

REGISTRATION HOURS

Monday Noon–6 p.m.
Tuesday 7:30 a.m.–3 p.m.
Wednesday 7:30 a.m.–3 p.m.
Thursday 8 a.m.–Noon

October 10 WEDNESDAY

Keynote

360

8 a.m. *Keynote Presentation*, John Capp, Director of Electrical & Control Systems Research at General Motors R&D

Testing and Data Collection

360

8:30 a.m. *Presentation*, Ryan Harrington, Exponent

9 a.m. *Presentation*, David LeBlanc, University of Michigan Transportation Research Institute

9:30-10 a.m. **Networking Break 360 Foyer**

AI & Machine Learning for Autonomous Systems

360

10 a.m. *AI-enabled Smart Sensors*, Barry Behnken, AEye, Inc.

10:30 a.m. *AI and Self Driving Cars*, Luke Harvey, NVIDIA

11 a.m. *Artificial Intelligence and Machine Learning as it relates to ADAS*, Maarten Koning, Wind River

11:30 a.m.–12:30 p.m. **Networking Lunch 360 Foyer**

Sensor Fusion

360

12:30 p.m. *The new generation of 3D Solid State LiDAR for Autonomous Driving*, Mario Brumm, ibeo

1 p.m. *The Auto Industry's Blind Spot: Why We Are Doing Autonomous Vehicle Safety All Wrong*, Chris Jacobs, Analog Devices, Inc.

1:30 p.m. *Technical and Market Evaluation of Sensor Fusion Concepts*, Modar Horani, P3

2 p.m. *Presentation*, Sandeep Sovani, ANSYS, Inc.

2:30-3 p.m. **Networking Break 360 Foyer**

Maintenance

360

3:00 p.m. *Predictive Analytics for Mobile Mining Equipment*, Brian Schissler-Boichot, Caterpillar

3:30 p.m. *Automotive Prognostics Emerges*, Steven Holland, General Motors

4-5:30 p.m. Technical Breakouts

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October 11 THURSDAY

Keynote

360

9 a.m. *The Future of Mobility - From ADAS to Automated and beyond*, Carla Bailo, President and CEO, Center For Automotive Research and 2018 SAE Vice President, Automotive

Car Architecture

360

9:30 a.m. *Power Distribution in Automated Driving Vehicles*, Stefan Schumi, University of Technology Graz

10 a.m. *Presentation*, Brunno Moretti, General Motors

10:30-11 a.m. **Networking Break 360 Foyer**

11 a.m.–12:30 p.m.

Panel Discussion

360

Moderated by Carla Bailo, President and CEO, Center For Automotive Research and 2018 SAE Vice President, Automotive

Panelists:

- Jace Allen, dSpace
- Aaron Jefferson, ZF
- Chris Thibodeau, USHR
- Rini Sheroni, Toyota
- Wayne Appelman, ON Semiconductor
- TBD General Motors
- TBD, Continental

12:30-1:30 p.m. **Networking Lunch 360 Foyer**

Keynote

360

1:30 p.m. *Keynote Presentation: Consumer Information Testing of Advanced Driver Assistance Systems*, David Zuby, IIHS

Human Experience

2 p.m. *Human Factors of Automated Driving Systems: How well do we understand these systems?* Anuj Pradhan, UMTRI

2:30 p.m. *Consumers' Perception, Understanding and Training with Advanced Driver Assistance Systems*, David Cades, Exponent

3 p.m. *Computer Vision and AI - Aftermarket Applications in Commercial Fleets: Case study of risk reduction with ADAS and other in-cab notifications*, Dale Willis, NetraDyne, Inc.

3:30-4 p.m. **Networking Break 360 Foyer**

Insurance/Legal

360

4 p.m. *Legal Challenges for Automated and Autonomous Driving*, Dagmar Thimm, ZF

4:30 p.m. *Presentation*, Jennifer Dukarski, Butzel Long

5 p.m. *Symposium WrapUp*, Tim Cavanaugh, SAE International