



9-10
APRIL
2025

DVN SENSING & APPLICATIONS

AEB Workshop FMVSS 127

Four Points by Sheraton Detroit Novi

The focus of the AEB Workshop will be the new FMVSS 127 specifications of NHTSA including Pedestrian AEB at night, and the possible contribution of the different sensing technologies to achieve the performance. The experts of the two DVN communities (Lighting and ADAS) will have the unique opportunity to meet and confirm their expectations.





9-10
APRIL
2025

DVN "Sensing & Applications" will organize an AEB Workshop in Detroit, focused on the new FMVSS 127 rule from NHTSA, which defines challenging scenarios for Pedestrian AEB at night. These specifications will apply in 2029. The workshop aims to look at the performance and cost of the different technologies, including Camera, Radar, IR and Lidar that might be required to meet the new standard and consider safety, validation and integration challenges.

REGISTRATION ON DVN WEBSITE: www.drivingvisionnews.com

DVN GOLD members registration:
€800/pers

Registration for non-DVN members:
€1200/pers

EXHIBITION RATES

Booth 4m2 (2mx2m): €4.500

Demo-car: €2.500 (incl. 1 free ticket)

*For more information, please contact: **Emilie Ogor Bonnet - DVN Marketing & Communication Director**
ebonnet@drivingvisionnews.com*

HOTEL INFORMATION

Four Points by Sheraton Detroit Novi
27000 S. Karevich Drive, Novi, Michigan
48377, US
<https://four-points.marriott.com/>

Reservation
Book your group rate for Driving Vision News
tel: +12483485000
Price: 114.00 USD per night





9-10
APRIL
2025

APRIL 9th - Part-I: ICE BREAKER

- 06:00 PM **Welcome Cocktail & democars' test**
- 07:30 PM **Standing Dinner on exhibition platform**

APRIL 10th - Part-II: CONFERENCE - MORNING

- 08:15 AM **Opening** - Paul Henri Matha, DVN CEO
- 08:30 AM **Keynotes - NHTSA Requirements & Challenges**
- **General Motors** - Jodi Allen
Automatic Emergency Braking - A Lighting Perspective
 - **MAGNA** - Jan Erik Källhammer, Director of Visual Enhancement and Cognitive Systems
Challenges in PAEB Systems: Dark Conditions, True Positive Criteria, and Risk of False Positives
- 09:00 AM **Q&A: NHTSA Requirements & Expected Challenges**

Session 1- Performance Lighting & Vision Systems

- 09:10 AM
- **APTIV** - Philippe Troia, Senior Director FuSa
Impact on Functional Safety of the FMVSS127 requirements
 - **VALEO** - Dirk Schulte, R&D Director
Scalable ADAS Platform for FMVSS127, US NCAP and beyond
 - **OMNIVISION** - Jeffrey Morin, Automotive Imaging Solutions Specialist
Pixel Scaling Automotive Image Sensors
- 10:10 AM **PANEL-1: Opportunities for Vision Systems**
- 10:25 AM **Coffee Break**

Session 2 - Performance of Radars & Fusion

- 11:00 AM
- **FORVIA HELLA** - Nicholas Williams, Lead Program Manager, Advanced Driving
PAEB Obstructed - S8.3.3: Practical Radar Applications
 - **PERCIV.ai** - Andras Palfy, Co-Founder
Next-gen, AI-driven radar perception for AEB and beyond
 - **ZENDAR** - Antonio Puglielli, VP of Engineering
A Scalable Solution for 2029 AEB Compliance
 - **SABIC** - Carlos Pereira, Chief Scientist
Optimizing radar transparency of plastics for exterior trim
- 12:00 PM **PANEL-2: Benefits of FUSION Systems**
- 12:15 PM **Lunch break & democars' test**



9-10
APRIL
2025

APRIL 10th - Part-II: CONFERENCE - AFTERNOON

Session 3 - Performance of IR Cameras

01:50 PM

- **ADASKY** - Bill Grabowski, Head of North America
Beyond Regulations: Expanding the ODD (Operating Design Domain) L2+/L3 ADAS with Thermal
- **Teledyne FLIR** - John Eggert, Director, Automotive Business Development
Saving Lives with Pedestrian AEB – Thermal Test Protocol Development and Results
- **OBSIDIAN** - John Hong, CEO
Thermal Imaging at the Right Cost and Scale with Microbolometers on Glass
- **Compal USA** - Richard Seoane, General Manager of Infrared Technology Systems
Improving Pedestrian Safety with Infrared Technology

Session 4 - Performance of Lidars

- **ROBOSENSE** - Scott Skelton, Director, Engineering and Technical Sales
LiDAR's role in automakers meeting the latest NHTSA AEB rules
- **CEPTON/KOITO** - Henri Haefner, Senior Dir. Product Management
Lidar sensor contribution to AEB according to FMVSS127
- **Light IC** - Jie Sun, Co-founder
Silicon Integrated FMCW LiDAR for Automotive

03:35 PM

PANEL-3: Benefits of the new technologies

03:50 PM

Coffee Break & democars' test

Session 5 - Performance validation, Simulation/Calibration

04:40 PM

- **ANSYS** - Lionel Bennes, Lead Product Manager
Simulation-Driven Development for FMVSS 127 Compliance Using Perception-in-the-loop Testing
- **BURKE PORTER** - Brunno Moretti, President ADAS Solutions
ADAS Sensors Post-Repair: A Hidden Threat To Road Safety

05:10

PANEL-4: Sensing Architecture & validation

05:25

CLOSING REMARKS - Eric Amiot, Head of DVN Sensing & Applications & Martin Booth, DVN Senior Advisor