

PROGRAM SCHEDULE

MONDAY, MARCH 13

1:00 p.m.

Historical Legal & Logical Background of OBD

John Ellis, California Air Resources Board

1:45 p.m.

On Board Diagnostics Lessons Learned from Non-automotive Case Studies

John Van Gilder, Van Gilder Engineering; Andrew Zettel, Tom Ender, General Motors

2:15 p.m.

History of OBD Cycles and J2012 and J1930

Suzanne Stuber, Ford Motor Company; Marcel Romijn, Roben Automotive

3:00 p.m.

Diagnostic Communication Basics

Morton Smith, Toyota Motor North America Inc.

3:45 p.m.

Q&A

John Van Gilder, Van Gilder Engineering

TUESDAY, MARCH 14

8:30 a.m.

Welcome and Opening

John Van Gilder, Van Gilder Engineering

8:45 a.m.

Keynote: On-board Monitoring of Emissions in the future Euro 7 Standard

Vicente Franco, European Commission

9:30 a.m.

European Automakers' Perspectives on Euro 7

Erik Postma, CLEPA

10:00 a.m. Break

10:30 a.m.

Light Duty CARB Update

John Ellis, California Air Resources Board

11:00 a.m.

On Board Monitoring, Virtual Sensors, and Robust ION Sensor

David Mathews, Marcel Romijn, Roben Automotive; John Gelmisi, Youssef Mansour, Detroit Engineered Products (DEP) Inc

11:30 a.m.

OBD/OBM Anomaly Pinpointing for EURO 7

Marco Moser, Jonas Köhne, Patrick Stracke, IAV GmbH

12:00 p.m. Networking Lunch

1:30 p.m.

Technical Challenges with On Board Monitoring

Sarah Funk, General Motors LLC

2:00 p.m.

Practical Solutions for On Board Monitoring

Erika Pruski, General Motors LLC

2:30 p.m.

Toyota Battery Electric Vehicle Diagnostics Overview

Morton Smith, Toyota Motor North America Inc.

3:00 p.m. Break

3:30 p.m.

Lesson Learned by Stellantis TSRC OBD Team on the Management of OBD Questions, Issues, Executive Officer Approvals, and Others

Yichao Guo, Josh Ward, Stellantis NV

4:00 p.m.

Focused Diagnostics Design Strategy for Off-Highway and Agricultural Vehicle Segment with Domain Based Electronics Architecture

Anuja Shantaram Kale, Suhas Baradkar, John Deere & Co.

4:30 p.m.

Roundtable Discussion: EU Regulatory

Moderators - Frank Dorer, Volkswagen AG; Ian Short, Ricardo A&I

WEDNESDAY, MARCH 15

8:30 a.m.

Heavy Duty Vehicle Remote Monitoring Application In China

Yumin Fu, Vehicle Emission Control Center (China)

9:00 a.m.

Tier5 IUMPR Feasibility Test Result using Stage-V Diesel Engine

Jungho Kim, Hyundai Doosan Infracore Co., Ltd.

9:30 a.m.

Comparison of the Application Layer Protocols SAE J1979-2 (OBD on UDS), SAE J1979-3 (ZEV on UDS) and ISO 27145 (WWH-OBD)

Peter Subke, Softing Automotive

10:00 a.m. Break

10:30 a.m.

ePTI - What Is It?

Joakim Pauli, Volvo Group

11:00 a.m.

SOVD - Diagnostic API for Software-based Vehicles

Bernd Wenzel, Asam Ev

11:30 a.m.

ZEV OBD and other OBD standards – An Off-the-Shelf Software Stack

Wigbert Knape, Vector Informatik GmbH

12:00 p.m. Networking Lunch

1:30 p.m.

OBD Standards Review: J1979, J2012, J1699

Morton Smith, Toyota Motor North America Inc.; Robert Weiss, Mahindra Automotive North America

2:30 p.m.

CARB Mandated OBD Compliance Reporting Update

Matthias Hampel, Concentrio AG

3:00 p.m. Break

3:30 p.m.

Benefits and Limitations of OBD in Mandatory Vehicle Inspection Programs

Lothar Geilen, Opus Group AB

4:00 p.m.

OBD Visual Interactive Troubleshooter

Vedant Ramekar, Abdul Kashaf Mohammed, John Deere India Pvt Ltd

4:30 p.m.

Roundtable Discussion: Communication / Unified Diagnostic Services (UDS) / Electronic Periodic Technical Inspection (EPTI), J1979-2, CyberSecurity

Moderators - Marcel Romijn, Roben Automotive; Morton Smith, Toyota Motor North America Inc.

5:30 - 7:30 p.m. Networking Reception

THURSDAY, MARCH 16

8:30 a.m.

Regulatory Update: Heavy Duty OBD & Motorcycle Update

Thomas Montes, California Air Resources Board

9:15 a.m.

NOx-OBM for Euro 7 with an Idea of Statistical Pinpointing

Ulrich Spicher, KIT; APL Landau GmbH; Gianni Di Martino, APL Landau GmbH; Paul Haag

9:45 a.m.

Advanced Intelligent Method for OBD Using AI and ML in Mobility Solutions

Senthil Kumar Arumugam Perumal, Ravichandran Tamilselvan, Bosch Global Software

10:15 a.m. Break

10:45 a.m.

Experiences from a ZEV Start-up: Designing a Carte Blanche ZEV OBD System in a Regulatory Void

Lindsey Heineman, Rivian Automotive

11:15 a.m.

Detection of Combustion Failures: Misfire and Pre-ignition on Hydrogen Internal Combustion Engine

Ives Hilaire, BorgWarner Luxembourg Operations SARL; Jeremy Riva, BorgWarner France

11:45 a.m.

Worldwide OBD Regulations Update

Janean Potter, General Motors LLC

12:15 p.m. Networking Lunch

1:30 p.m.

Virtual Fuel Cell On Board Diagnostics Testing using Real-Time Digital Twins for Fault Simulation and Detection

Pantelis Dimitrakopoulos, Harshad Pandit, Christian Altenhofen, Manish Shenoy, Gamma Technologies GmbH

2:00 p.m.

State of Health for Advanced Driver Aid Systems and Automated Vehicles: OBD and Prognostics

Mark Monohon, DG Technologies

2:30 p.m.

Zero Emission Vehicle Update

Andrew Zettel, General Motors LLC

3:00 p.m. Break

3:30 p.m.

Roundtable Discussion: Automotive Goes EV: Status on Standardization and Activities in U.S. and Europe

Moderators - Andrew Zettel, General Motors LLC

4:15 p.m.

Roundtable Discussion: Heavy Duty & Motorcycle

Moderators - Justin Owen, Cummins Inc.; Marcel Romijn, Roben Automotive