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

2:30 p.m.  Diagnostic Communication Basics
Morton Smith, Toyota Motor North America Inc.

3:00 p.m.  OBD/OBM Anomaly Pinpointing for EURO 7
Marco Moser, Jonas Röhne, Patrick Schacke, JAV GmbH

3:30 p.m.  Technical Challenges with On Board Monitoring
Sarah Funk, General Motors LLC

4:00 p.m.  Practical Solutions for On Board Monitoring
Erika Pruski, General Motors LLC

4:30 p.m.  Toyota Battery Electric Vehicle Diagnostics Overview
Morton Smith, Toyota Motor North America Inc.

5:30 p.m.  Break

6:00 p.m.  Networking Reception

TUESDAY, MARCH 14

8:30 a.m.  Heavy Duty Vehicle Remote Monitoring Application In China
Yumin Fu, Vehicle Emission Control Center (China)

9:00 a.m.  Tier3 UMPR Feasibility Test Result using Stage-V Diesel Engine
Jungho Kim, Hyundai Dossan 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 (WVM-OBD)
Peter Subke, Softing Automotive

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, Landau GmbH; Paul Haag

11:30 a.m.  OBD/UBM Anomaly Pinpointing for EURO 7
Marco Moser, Jonas Röhne, Patrick Schacke, JAV 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&D

5:30 p.m.  Networking Reception

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.  Tier3 UMPR Feasibility Test Result using Stage-V Diesel Engine
Jungho Kim, Hyundai Dossan 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 (WVM-OBD)
Peter Subke, Softing Automotive

10:00 a.m.  Break

10:30 a.m.  ePTI - What Is It?
Joakim Pault, 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
Mortan Smith, Toyota Motor North America Inc.; Robert Weiss, Mahendra 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 Ramakar, 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

9:30 a.m.  NOx-OBD for Euro 7 with an idea of Statistical Pinpointing
Ursch 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
Lindsay Heineman, Rivian Automotive

11:15 a.m.  Detection of Combustion Failures: Misfire and Pre-Ignition on Hydrogen Internal Combustion Engine
Ives Holaire, BorgWarner Luxembourg Operations SARG; 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
Panтелей Dimitrakopoulos, Harshad Pandit, Christian Altenhofen, Marsh Shenny, 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