



EVENT-AT-A-GLANCE ON-BOARD DIAGNOSTICS SYMPOSIUM

Tuesday, September 11 - Thursday, September 13



MONDAY September 10

INTRODUCTION TO OBD WORKSHOP WESTIN, INDIANAPOLIS <i>*SEPARATE REGISTRATION REQUIRED</i>
1 p.m. Part 1: Historical Legal & Logical Background of OBD John Ellis & Thomas Montes, CARB
2 p.m. Part 2: History of OBD and Implementation World Wide Janean Potter, General Motors
3 p.m. Break
3:30 p.m. Part 3: Common Acronyms Mark Laleman, Ford Motor Company
4 p.m. Part 4: On Cycle - The Prequel to OBD Susan Wagers, Ford Motor Company
4:30 p.m. Q&A with all Presenters
5 p.m. End of Introduction to OBD Workshop

TUESDAY September 11

INDIANAPOLIS MARRIOTT DOWNTOWN - MARRIOTT BALLROOM 5
9 a.m. Welcome & Symposium Opening Bernard Challen, Shoreham Services
9:15 a.m. Collecting Good Data Today to Answer New Questions Tomorrow Thomas Grana, Cummins
10 a.m. Regulatory Update, Light Duty John Ellis, CARB
10:30 a.m. California Smog Check Failure Analysis and Future Changes Greg Coburn, California Bureau of Auto Repair
11 a.m. Challenges in Designing Monitoring Strategy for Active Thermal Management Luca Scavone & Christopher Knieper, GM
11:30 a.m. Lunch
1 p.m. An OBD Calibration Experience: Solar Load and Temperature Sensor Rationality Diagnostics Erika Pruski, GM
1:30 p.m. OBD Experiences: Toyota Mort Smith, Toyota
2 p.m. Exhibitor Introductions RA Automotive Software Solutions Inc, Intrepid Control Systems Inc, ESW America, Control-Tec
2:15 p.m. Break with Cummins STEM Activity
2:45 p.m. OBD II Monitoring of Motor and Battery in an Electrified Powertrain Madhura Medikeri, FEV
3:15 p.m. A Statistical Analysis of the Comprehensive Component Test to Determine the Emissions Impact of Failures John Van Gilder, GM
3:45 p.m. OBD Moves Towards Highly Automated Driving Christian Prentki, Bosch
4:15 p.m. On-Board Monitoring of Engine and Aftertreatment System State of Health Using Radio Frequency Sensors Alexander Sappok, CTS
4:45 p.m. Hybrid Powertrain OBD Issues and Solutions - Methods to Prevent False Misfire Detection and Missed Misfire Detection in PHEV Yichao Guo, FCA US LLC
5:30 p.m. Networking Reception
6:30 p.m. End of Day

WEDNESDAY September 12

INDIANAPOLIS MARRIOTT DOWNTOWN - MARRIOTT BALLROOM 5
8 a.m. Worldwide OBD Update Janean Potter, GM
8:45 a.m. Analysis of Debouncing Algorithms Michiel van Nieuwstadt, Ford Motor Company
9:15 p.m. System Classification Analysis Andrew Zettel, GM
10 a.m. Exhibitor Introductions NGK Sparks Plugs, Sohatec Engineering GmbH & Co KG, Vector North America, Bosch Engineering GmbH
10:15 a.m. Break
11 a.m. From Human Driver to Artificial Driver: Impact on OBD and Homologation Marcel Romijn, Roben-Automotive
11:30 a.m. OBD Standards Review (Part 1 of 2) Mark Laleman, Ford Motor Company
12 p.m. OBD Standards Review (Part 2 of 2) Robert Gruszczynski, Volkswagen of America
12:30 p.m. Exhibitor Introductions ETAS Inc, CTS Corporation, FEV North America Inc
12:45 p.m. Lunch
1:45 p.m. Measures to Prevent Unauthorized Access to the In-Vehicle E/E System Peter Subke, Softing
2:15 p.m. Undermining Diagnostics Security: Bypassing UDS Security Checks Niek Timmers, Riscure
2:45 p.m. Cybersecurity/Tamper Update Robert Gruszczynski, Volkswagen of America
3:15 p.m. Break
3:45 p.m. Breakout Sessions •CyberSecurity/Tamper, Moderated by Robert Gruszczynski, Volkswagen of America •China 6, Moderated by John Van Gilder & Wenbo Wang, GM
5:30 p.m. Breakout Session Summaries/Q&A
6:00 p.m. End of Day

THURSDAY September 13

INDIANAPOLIS MARRIOTT DOWNTOWN - MARRIOTT BALLROOM 5
8 a.m. Regulatory Update, Heavy Duty Tom Montes, CARB
8:45 p.m. Virtual OBD and Field Testing at Cummins Cathal Cunningham, Cummins
9:15 a.m. Challenges of Being a Tier One OBD supplier Ives Hilaire, Delphi
9:45 a.m. Heavy-Duty Ad-Blue/DEF Emulators - Investigation into Effects and Countermeasures Gianfranco Rindone, Ricardo
10:15 a.m. Break
11 a.m. EPA's Theory of Criminal Liability for OBD Issues: Best Practices for Managing New Risks Justin Savage & Richard Alonso, Sidley Austin LLP
11:30 a.m. Challenges in Developing a Conversion Efficiency Monitor for US LD/MD Diesel Applications with Two NOx Catalysts in Series Igor Anilovich & Francesco Siano, GM
12 p.m. Diesel Particulate Filter Diagnostics Using Soot Sensors - In-Vehicle Benchmarking Results Hector Sindano, Ricardo
12:30 p.m. Lunch
1:30 p.m. Upcoming OBD Challenges Associated with Ultra-Low-NOx Emission Standards Tamas Szailer, FEV
2 p.m. Breakout Sessions •Heavy Duty, Moderated by Justin Owen, Cummins •Communication Standards, Moderated by Mark Laleman, Ford
3:45 p.m. Break
4:15 p.m. Breakout Session Summaries/Q&A
4:45 p.m. Conclusion of Symposium