



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

Tuesday, September 11 - Thursday, September 13



## MONDAY September 10

<b>INTRODUCTION TO OBD WORKSHOP</b> WESTIN, INDIANAPOLIS <i>*SEPARATE REGISTRATION REQUIRED</i>
<b>1 p.m.</b> Part 1: Historical Legal & Logical Background of OBD
<b>2 p.m.</b> Part 2: History of OBD and Implementation World Wide
<b>3 p.m. Break</b>
<b>3:30 p.m.</b> Part 3: Common Acronyms
<b>4:30 p.m.</b> Q&A with all Presenters

## TUESDAY September 11

<b>INDIANAPOLIS MARRIOTT DOWNTOWN</b>
<b>9 a.m.</b> Welcome & Symposium Opening
<b>9:15 a.m.</b> Keynote Presentation
<b>10 a.m.</b> Regulatory Update, Light Duty CARB
<b>10:30 a.m.</b> Regulatory Update, Light Duty BAR
<b>11 a.m.</b> Technical Presentation
<b>11:30 a.m.</b> Challenges in Designing Monitoring Strategy for Active Thermal Management Luca Scavone & Christopher Knieper, GM
<b>12 p.m. Lunch</b>
<b>1 p.m.</b> Challenges and Risks for Hybrid Powertrain OBD Development Yichao Guo, Nissan
<b>1:30 p.m.</b> An OBD Calibration Experience: Solar Load and Temperature Sensor Rationality Diagnostics Erika Pruski, GM
<b>2 p.m.</b> OBD Experiences: Toyota Mort Smith, Toyota
<b>2:30 p.m.</b> Exhibitor Introductions
<b>2:45 p.m. Break</b>
<b>3:15 p.m.</b> OBD II Monitoring of Motor and Battery in an Electrified Powertrain Madhura Medikeri, FEV
<b>3:45 p.m.</b> A Statistical Analysis of the Comprehensive Component Test to Determine the Emissions Impact of Failures. John Van Gilder, GM
<b>4:15 p.m.</b> OBD moves towards Highly Automated Driving Christian Prentki, Bosch
<b>4:45 p.m.</b> On-Board Monitoring of Engine and Aftertreatment System State of Health Using Radio Frequency Sensors Alexander Sappok, CTS
<b>5:30 p.m. Networking Reception</b>
<b>6:30 p.m.</b> End of Day

## WEDNESDAY September 12

<b>INDIANAPOLIS MARRIOTT DOWNTOWN</b>
<b>8 a.m.</b> Worldwide OBD Update Janean Potter, GM
<b>8:45 a.m.</b> Analysis of Debouncing Algorithms Michiel van Nieuwstadt, Ford Motor Company
<b>9:15 p.m.</b> Signal Analysis & Classification Analysis Andrew Zettel, GM
<b>10 a.m.</b> Exhibitor Introductions
<b>10:15 a.m. Break</b>
<b>11 a.m.</b> From Human Driver to Artificial Driver: Impact on OBD and Homologation Marcel Romijn, Roben-Automotive
<b>11:30 a.m.</b> OBD Standards Review (Part 1 of 2) Mark Laleman, Ford Motor Company
<b>12 p.m.</b> OBD Standards Review (Part 2 of 2) Robert Gruszczynski, Volkswagen of America
<b>12:30 p.m.</b> Exhibitor Introductions
<b>12:45 p.m. Lunch</b>
<b>1:45 p.m.</b> Technical Presentation Peter Subke, Softing
<b>2:15 p.m.</b> Hardware Attacks on Unified Diagnostics Services (UDS) that Scale Niek Timmers, Riscure
<b>2:45 p.m.</b> Technical Presentation Robert Gruszczynski, Volkswagen of America
<b>3:15 p.m. Break</b>
<b>3:45 p.m.</b> Breakout Sessions •CyberSecurity •China 6
<b>5:30 p.m.</b> Breakout Session Summaries/Q&A
<b>6:00 p.m.</b> End of Day

## THURSDAY September 13

<b>INDIANAPOLIS MARRIOTT DOWNTOWN</b>
<b>8 a.m.</b> Regulatory Update, Heavy Duty CARB
<b>8:45 p.m.</b> Virtual OBD and Field Testing at Cummins Cathal Cunningham, Cummins
<b>9:15 a.m.</b> Technical Presentation
<b>9:45 a.m.</b> Heavy-Duty Ad-Blue/DEF Emulators - Investigation into Effects and Countermeasures Gianfranco Rindone, Ricardo
<b>10:15 a.m. Break</b>
<b>11 a.m.</b> Technical Presentation Justin Savage, Sidley Austin LLP
<b>11:30 a.m.</b> Challenges in Developing a Conversion Efficiency Monitor for US LD/MD Diesel Applications with Two NOx Catalysts in Series Igor Anilovich & Francesco Siano, GM
<b>12 p.m.</b> Diesel Particulate Filter Diagnostics Using Soot Sensors - In-Vehicle Benchmarking Results Hector Sindano, Ricardo
<b>12:30 p.m. Lunch</b>
<b>1:30 p.m.</b> Technical Presentation
<b>2 p.m.</b> Breakout Sessions •Heavy Duty •Communication Standards
<b>3:45 p.m. Break</b>
<b>4:15 p.m.</b> Breakout Session Summaries/Q&A
<b>4:45 p.m.</b> Conclusion of Symposium