

# SAE 2011 On-Board Diagnostics Symposium

## Technical Session Schedule

As of 10/02/2011 07:40 pm

### Monday, September 26

#### Day 1 - Light Duty

Session Code: OBD1

Room TBD

Session Time: ALL DAY

Time	Paper No.	Title
8:15 a.m.	ORAL ONLY	<b>Keynote: Challenges of HDOBD Implementation in Heavy-Duty Hybrids</b> <i>Laurie B. Tuttle, Allison Transmission</i>
9:00 a.m.	ORAL ONLY	<b>Worldwide OBD</b> <i>David H. Ferris, General Motors Company</i>
10:30 a.m.	ORAL ONLY	<b>Need for World Wide Harmonization</b> <i>James Vondale, Ford Motor Co.</i>
11:00 a.m.	ORAL ONLY	<b>Update on California OBD II Requirements</b> <i>Michael J. McCarthy, California Air Resources Board</i>
11:30 a.m.	ORAL ONLY	<b>OBD Experiences: A Ford Perspective</b> <i>Paul Algis Baltusis, Ford Motor Co.</i>
1:30 p.m.	ORAL ONLY	<b>OBD Experience: Chrysler Perspective</b> <i>Hal Zatorski, Chrysler Group LLC</i>
2:00 p.m.	ORAL ONLY	<b>Monitoring NO2 Production of a Diesel Oxidation Catalyst</b> <i>David N. Belton, General Motors LLC</i>
2:30 p.m.	ORAL ONLY	<b>OBD Approval Process</b> <i>Mark Frank, Winterpark Engineering Llc</i>
3:30 p.m.	ORAL ONLY	<b>Evaluation of a NOx Transient Response Method for OBD of SCR Catalysts</b> <i>Gordon J. Bartley, Southwest Research Institute</i>
4:00 p.m.	ORAL ONLY	<b>Advances in Exhaust Temperature Sensing and their Applicability for Diesel Emission Diagnostics</b> <i>D. P. Culbertson, Watlow</i>
4:30 p.m.	ORAL ONLY	<b>Updated SAE Standards (J2012, J1979, J1930, J1699)</b> <i>Paul Algis Baltusis, Ford Motor Co.; Robert Gruszczynski, Volkswagen of America</i>

### Tuesday, September 27

#### Day 2 - Hybrids , LD and HD

Session Code: OBD2

Room TBD

Session Time: ALL DAY

Time	Paper No.	Title
8:15 a.m.	ORAL ONLY	<b>OBD Challenges for Plug In Hybrid Electric Vehicles</b> <i>Andrew Zettel, General Motors Company</i>

<b>8:45 a.m.</b>	<b>ORAL ONLY</b>	<b>HEV-Related</b> <i>Morton M. Smith, Toyota</i>
<b>9:15 a.m.</b>	<b>ORAL ONLY</b>	<b>Plug-In Charging Systems Monitoring</b> <i>Daniel Grenn, GM Powertrain</i>
<b>9:45 a.m.</b>	<b>ORAL ONLY</b>	<b>Hybrid Vehicle Battery OBD ¿ Why, Wherefore, and How</b> <i>Dyche Anderson, Ford Motor Co.</i>
<b>10:45 a.m.</b>	<b>ORAL ONLY</b>	<b>OBD Challenges and Concepts for Hybrid Powertrain Systems</b> <i>Bernd Kesch, Robert Bosch GmbH</i>
<b>11:15 a.m.</b>	<b>Panel</b>	<b>Hybrid OBD Panel Discussion</b> <b>Moderators</b> - Bernard J. Challen, Shoreham Services <b>Panelists</b> - Michael J. McCarthy, California Air Resources Board; Andrew Zettel, General Motors Company; Benjamin Zwissler, Cummins Inc.;
<b>1:30 p.m.</b>		<b>Breakout Session: Hybrids</b> <b>Moderators</b> - Andrew Zettel, General Motors Company
<b>1:30 p.m.</b>		<b>Breakout Session: Communications</b> <b>Moderators</b> - Paul Algis Baltusis, Ford Motor Co.; Mark Stepper, Cummins Inc.
<b>1:30 p.m.</b>		<b>Breakout Session: SCR Systems/Sensor Technology</b> <b>Moderators</b> - John Van Gilder, General Motors Company; Hal Zatorski, Chrysler Group LLC
<b>3:30 p.m.</b>	<b>ORAL ONLY</b>	<b>Automated Diagnostics System Performance Assessment</b> <i>Bill Leisenring, Control-Tec LLC; Timothy Gernant, Ford Motor Co.</i>
<b>4:00 p.m.</b>	<b>Panel</b>	<b>Panel: Service Solution for OBD - The Next Step</b> <b>Moderators</b> - Benjamin Zwissler, Cummins Inc. <b>Panelists</b> - Randy Bernklau, CDPHE; Michael J. Erny, Ivy Tech. Community College of Indiana; Christoph Micha, Chrysler Group LLC; James E. Preusz, Cummins Inc.; Jim Roal, Caterpillar Inc.;

### Wednesday, September 28

#### Day 3 - Heavy Duty

**Session Code:** OBD3

**Room** TBD

**Session Time:** ALL DAY

<b>Time</b>	<b>Paper No.</b>	<b>Title</b>
<b>8:00 a.m.</b>	<b>ORAL ONLY</b>	<b>Heavy-Duty OBD Regulation Status</b> <i>Michael J. McCarthy, California Air Resources Board</i>
<b>8:45 a.m.</b>	<b>ORAL ONLY</b>	<b>Heavy Duty OBD J-1939 Communications</b> <i>Mark Stepper, Cummins Inc.</i>
<b>9:15 a.m.</b>	<b>ORAL ONLY</b>	<b>Developing OBD Products for Worldwide Markets</b> <i>Benjamin Zwissler, Cummins Inc.</i>

- 10:30 a.m. ORAL ONLY H-D Launch 2013 Lesson Learned**  
*Greg A. Moore, Cummins*
- 11:00 a.m. Panel Panel Discussion: HD OBD Challenges - 2010 Experience to Help Launch 2013**  
**Moderators - Benjamin Zwissler, Cummins Inc.**  
**Panelists - Lennart Lindholm, VOLVO; Greg Moore, Cummins Inc.;**  
*Cheryl Stark, GENERAL MOTORS CORP; Michiel Van Nieuwstadt, Ford Motor Co.;*
- 1:00 p.m. ORAL ONLY Improvement in OBD Development Process for HEV's**  
*Andrew David Noble, Ricardo Consulting Engineers, Ltd.; Minsuk Shin, Ricard Inc.*
- 1:30 p.m. ORAL ONLY Monitoring Urea Quantity Delivery for Diesel SCR Aftertreatment**  
*Michiel Van Nieuwstadt, Ford Motor Co.*
- 2:00 p.m. ORAL ONLY Monitoring of diesel particulate filter using soot sensor for EU6 OBD**  
*Thomas Czarnecki, Bosch Engineering GmbH*
- 2:30 p.m. ORAL ONLY PM Sensors**  
*Magdi Khair*
- 3:30 p.m. ORAL ONLY Working Together on HDOBD for HD Hybrid Vehicles**  
*Ian McKenzie, Eaton Truck Component Operations; Barbara Chance, Allison Transmission; Christopher Charles Jones, BAE Systems*
- 4:00 p.m. H-D Breakouts - H-D Regs / Diagnostic Challenges: Fuel Systems & Air Handling**  
**Moderators - Michiel Van Nieuwstadt, Ford Motor Co.**
- 4:00 p.m. H-D Breakouts - H-D Regs / Diagnostic Challenges: AfterTreatment**  
**Moderators - Michiel Van Nieuwstadt, Ford Motor Co.**
- H-D Breakouts - H-D Regs / Diagnostic Challenges: J1939**  
**Moderators - Michiel Van Nieuwstadt, Ford Motor Co.**