

Global Executive Leadership Panel: Engine & Engine Component Manufacturers Challenges to meet CO2 Reduction and Fuel Economy Improvement Goals (Engine Focus)

Proposed Abstract: Engine manufacturers, as well as their suppliers, will face many challenges with the need for improvements in various technologies required to meet goals of CO2 reductions and fuel economy improvements over the next decade. This panel discussion will bring forward the perspective of the Lead Technical Officers for some of the large engine or engine component manufacturers on these challenges. Topics should include areas such as: accessory parasitic loss reduction; reducing, managing and recovering waste energy, improving the combustion process and dealing with global regulation requirements.

Organizers: Dr. Wilfried Achenbach, Landon Grogan, and Patrick Charbonneau

Date/Time: Tuesday, September 13, 2011 (10:00 a.m. – 12:00 p.m.)

Moderator: Dr. Wilfried Achenbach, Senior Vice President, Engineering & Technology, DTNA

Panelists:

Dr. Elmar Boeckenhoff, Vice President Truck Product Engineering Powertrain, Daimler Global
Wayne Eckerle, Vice President – Research & Technology, Cummins Inc.

John Cagney, Vice President of Advanced Technologies, Navistar

Thomas Lengenfelder, Sr. Vice President, Engineering Diesel Systems Commercial Vehicles, Robert Bosch

Challenges in the Commercial Vehicle Arena relative to the need for Improved Fuel Economy / Freight Efficiency (Vehicle Focus)

Proposed Abstract: Commercial Vehicle manufacturers and their customers will be looking at opportunities for trucks to haul more freight with less fuel and at lower overall costs. This panel will address vehicle aerodynamics; integration of components such as engines, transmissions, axles and hybrid systems; trailer improvements and enhanced logistics.

Organizers: Dr. Wilfried Achenbach and Landon Grogan

Date/Time: Wednesday, September 14, 2011 (3:45 – 5:15 p.m.)

Moderator: Landon Grogan, Director, Engineering Services & Vehicle Integration, DTNA

Panelists:

Alan Pearson, Chief Engineer, Product Validation Engineering, DTNA

Stephen Bruford, Vice President Global Product Creation, Navistar

Tony Greszler, Vice President Government and Industry Relations, Volvo Powertrain

Steve Duley, Vice President of Purchasing, Schneider National

Blue Ribbon Panel – Military/Defense Focus:

Commercial Vehicle Integration for Military Bases & Homeland Defense Applications

Proposed Abstract: This panel discussion will explore how commercially available vehicles can be used as a platform to service the military and homeland defense requirements in the need to bring more applications to market quicker and at significantly reduced costs to conform with new DoD budget constraints. And how technology insertion can benefit by using commercial vehicles as their base platforms.

Organizers: Greg Fredericksen, Gary Schmiedel, Paul Skalny, Pete DiSante

Date/Time: Wednesday, September 14, 2011 (9:45 – 11:15 a.m.)

Moderator: Paul Skalny, Director, National Automotive Center U.S. Army Tank Automotive Research, Development and Engineering Center (TARDEC)

Panelists:

Gary Schmiedel, Executive Vice President, Technology, Oshkosh Corp.

Lennart Jonsson, Executive Vice President & CTO, Eaton Corp.

Robert F. Combs, Director, Military Applications, Allison Transmission

BG Michael A. Stone , Assistant Adjutant General, Department of Military and Veteran Affairs, Joint Force Headquarters

LTC Graham Compton, Product Director for Non-Standard Vehicles

Electronics Executive Panel

Proposed Abstract: Electronics will play a key role in improving fuel economy, fuel efficiency and reducing green house gases such as CO₂. Often, the electronics involved will impact safety; therefore, industry and government driven regulations for ISO 26262 development processes will need to be followed. Component suppliers will require sophisticated hardware and software, working together in multiple computers. Vehicle OEM's, whether on-road or off-road, will be looking to make all of this work effectively at the vehicle level and produce measurable results for end-user customers. The vehicle is part of the overall infrastructure of roads and the goal of moving freight efficiently. Wireless communications, fuel purchase programs, and navigation with traffic enhancements will be a part of the future.

Organizers: Paul Menig, Debbie Freund, Jerry Gabbard, and Alain Jablonowski

Date/Time: Tuesday, September 13, 2011 (4:45 – 6:15 p.m.)

Moderator: Dr. Larry Kendrick, Sr. Principal Technical Consultant, The MathWorks

Panelists:

Dr. Michael Joerg Ruf, Vice President Commercial Vehicle / Aftermarket, Continental
Juergen Hollstein, Global Manager – Tractor Electronics and Embedded Systems Engineering,
Deere & Company

Andrew Wertkin, Chief Technology Officer, MKS Inc.

Dr. Helmut Schelling, President, Vector Informatik