

SAE 2009 Heavy Truck Handling, Dynamics & Control Symposium

May 5 – 7, 2009

Clemson University – ICAR

Greenville, South Carolina USA

Event-at-a-Glance

Monday, May 4	Tuesday, May 5	Wednesday, May 6	Thursday, May 7
	Registration 7:00 a.m. – 5:00 p.m.	Registration 7:00 a.m. – 5:00 p.m.	Registration 7:00 – 8:00 a.m.
	Opening Remarks 8:00 – 8:30 a.m.	Opening Remarks 8:00 – 8:30 a.m.	Michelin Proving Grounds Ride and Demonstration (Michelin Americas Research Corporation) 9:00 a.m. – 4:00 p.m.
	Technical Presentations 8:30 – 10:00 a.m.	Technical Presentations 8:30 – 10:00 a.m.	
“Early Bird” Registration 10:00 a.m. – 12:00 p.m. K & C Rig Workshop Registration 10:00 a.m. – 12:00 p.m.	Networking Break 10:00 – 10:30 a.m.	Networking Break 10:00 – 10:30 a.m.	
	Tabletop Exhibits Open 10:00 – 10:30 a.m.	Tabletop Exhibits Open 10:00 – 10:30 a.m.	
	Technical Presentations 10:30 a.m. – 12:00 p.m.	Technical Presentations 10:30 a.m. – 12:00 p.m.	
K & C Rig Workshop 12:00 – 5:00 p.m. Michelin Americas Research Corporation	Networking Lunch 12:00 – 1:30 p.m.	Networking Lunch 12:00 – 1:30 p.m.	
	Tabletop Exhibits Open 12:30 – 1:30 p.m.	Tabletop Exhibits Open 12:30 – 1:30 p.m.	
	Technical Sessions 1:30 – 3:00 p.m.	Technical Sessions 1:30 – 3:00 p.m.	
	Networking Break 3:00 – 3:30 p.m.	Networking Break 3:00 – 3:30 p.m.	
	Technical Sessions 3:30 – 5:00 p.m.	Technical Sessions 3:30 – 5:00 p.m.	
	Networking Reception 5:00 – 6:00 p.m.	Networking Reception 5:00 – 6:00 p.m.	

Technical Presentations Under Consideration Include:

Testing

Scott E Bogard, University of Michigan - Presentation of the Results from an Extended Pilot Study of an Integrated Vehicle-Based Safety System for Heavy Trucks

Klaus Prenninger - Objective Handling Evaluation of Heavy Trucks by means of Model based Parameter Identification

Michael Arant, Michelin - Heavy Truck Measurement, Modeling, and Evaluation

Josh Isser, ETAS - Verification of Heavy Truck Chassis Control Embedded Software

Components

Daniel Williams, TRW Commercial Steering - Artificial Steering Feel on Commercial Vehicles

Eanna P. Timoney, Timoney Research Ltd. - Articulated Dump Truck Independent Suspension

Simulation/Modeling

Sameh Maher Metwalley Ph.D, Helwan University - Tire Model Investigation in Longitudinal Direction using the Magic Formula

Alrik L. Svenson, National Highway Safety Administration - Development and Validation of Hardware in the Loop Simulation for Studying Heavy Truck Stability Control Effectiveness

Peter D. Schmitt & Frederic Jacquelin, Ricardo Inc. - Robust Vehicle Dynamics Simulation using Neural Network Response Surface Generation

Dr. Thomas Gillespie, Mechanical Simulation Corp. - Simulation Applications in the Development and Testing of Heavy Vehicles