

Designing Electronic Powertrain Controls Symposium

Technical Session Schedule

As of 05/10/2004 08:00 pm

Tuesday May, 4

Fundamentals and System Elements

Session Code: DEPC1

Room Auditorium Session Time: 8:45 a.m.

Chairpersons - Bernard J. Challen, Shoreham Services

Time	Paper No.	Title
8:45 a.m.	ORAL ONLY	Keynote Address: Managing Powertrain Control <i>Dennis M. Bogden, General Motors Corp.</i>
9:15 a.m.	ORAL ONLY	Modern Control Methods <i>Bernard J. Challen, Shoreham Services; Lino Guzzella, Federal Institute of Technology (ETH), Switzerland</i>
10:30 a.m.	ORAL ONLY	Engines - an introduction <i>Bernard J. Challen, Shoreham Services</i>
11:00 a.m.	ORAL ONLY	Engine Modeling for Control Applications <i>Iakovos Papadimitriou, Gamma Technologies Inc.</i>
11:30 a.m.	ORAL ONLY	Embedded Estimator Design Process Examples <i>Peter J. Maloney, The MathWorks, Inc.</i>
12:00 p.m.	ORAL ONLY	Panel Discussion <i>Dennis M. Bogden, General Motors Corp.; Bernard J. Challen, Shoreham Services; Peter J. Maloney, MathWorks Inc.; Iakovos Papadimitriou, Gamma Technologies Inc.</i>

Tuesday May, 4

Design Approaches

Session Code: DEPC2

Room Auditorium Session Time: 1:30 p.m.

Chairpersons - Bernard J. Challen, Shoreham Services

Time	Paper No.	Title
1:30 p.m.	ORAL ONLY	Distributed Powertrain Controller - Fact or Fiction? <i>Kenneth P. Waichunas, VaST Systems Technology</i>
2:00 p.m.	ORAL ONLY	Signal Delivery Analysis <i>Dennis M. Bogden, General Motors Corp.</i>
2:30 p.m.	ORAL ONLY	Common Engine Control Architectures <i>Gunter Mueller, Robert Bosch Corp.</i>
3:30 p.m.	ORAL ONLY	On-Board Diagnostics Requirements <i>John F. Van Gilder, General Motors Corp.</i>

11:00 a.m.	ORAL ONLY	Development of a Virtual Vehicle Transmission Test Cell for Powertrain Control System Development and Testing <i>Joe Steiber, Southwest Research Institute</i>
11:30 a.m.	ORAL ONLY	Traction Control Systems for the Next Generation All Wheel Drive Vehicles <i>Sankar K. Mohan, Eric A. Bansbach, New Venture Gear Inc.</i>
12:00 p.m.	ORAL ONLY	Panel Discussion <i>Magdi K. Khair, Southwest Research Institute; Robert E. Larson, US Environmental Protection Agency; Sankar K. Mohan, New Venture Gear Inc.; Mark L. Selogie, General Motors Corp.; Joe Steiber, Southwest Research Institute; Eric A. Bansbach, New Venture Gear Inc.; Dan Kowalewski, General Motors Corp.</i>

Thursday May, 6

Implementations - Case Studies

Session Code: DEPC6

Room Auditorium

Session Time: 1:30 p.m.

Chairpersons - Ron Stence, Motorola SPS

Time	Paper No.	Title
1:30 p.m.	ORAL ONLY	Signal Delivery Analysis (Case Study) <i>Larry Michaels, Dennis M. Bogden, General Motors Corp.</i>
2:00 p.m.	ORAL ONLY	Rapid Deployment of Machine Learning Algorithms Using the VindAX Architecture <i>Paul Neil, AXEON Limited</i>
2:30 p.m.	ORAL ONLY	Symposium Achievements - A Review and Context <i>Bernard J. Challen, Shoreham Services</i>