



A G E N D A

International Vehicle Technology Symposium

March 11-13, 2003

Sacramento, California

SPEAKER

TOPIC

DAY 1

Session I Reducing HFCs

Moderator: Richard Corey, ARB

8:45 – 10:15 a.m.

Ward Atkinson, Sun Test Engineering

Service and Replacement of Existing Systems

James A. Baker, Delphi

Current World Activity on Mobile Air Conditioning Systems

Session II Aftertreatment Technology for Reducing Black Carbon, N₂O and CH₄

Moderator: Bart Croes, ARB

10:30 – 12:30 a.m.

Prof. Mark Jacobson, Stanford University

Global Warming Impact of Black Carbon

Matti Maricq, Ph.D., Ford

Emissions Impact of Particle Emissions

Joe Kubsh, MECA

Status of Particulate Trap Technology; and Methods To Reduce N₂O Emissions

Alex Lawson, Teleflex GFI Control Systems LP

Methods to Reduce Methane Emissions

Lunch 12:30 – 2:00 p.m.

Session III Reducing CO₂ Emissions

Moderator: Steve Albu, ARB
Powertrain Modifications
2:00 – 4:00 p.m.

Dr. Loren Beard, DaimlerChrysler	Internal Combustion Engine Improvements
Prof. Marc Ross, University of Michigan	Low Cost Technologies to Reduce GHGs
Dr. Peter Hofbauer, FEV	Variable Valve Timing and Variable Valve Lift
Mr. Roland Kemmler, DaimlerChrysler	Cylinder Deactivation

Public Comment Period 4:00 – 5:00

DAY 2

Session III Reducing CO₂ Emissions, continued

Moderator: Steve Albu, ARB
Powertrain and Drivetrain Modifications
8:00 – 9:30 a.m.

Dr. S. M. Shahed, Garrett	Displacement Reduction with Boost;
Mr. Herbert Mozer, ZF Group	Drivetrain Modifications (CVT, Toroidal CVT and 6-Speed Automatics)
Mr. Mike Ruth, Cummins	Diesel Engine Technology

Break 9:30 – 9:45 a.m.

Powertrain and Drivetrain Modifications, continued
9:45 – 11:15 a.m.

Mr. Neville Jackson, Ricardo, Inc.	i-Mo-Gen; Integrated Starter/Generator Technology
Mr. Jamie Turner, Lotus	Controlled Auto Ignition, Camless Engines, Variable Displacement Engines; Active Valve Train Systems
Mr. Stephen Brueckner, AVL	Direct Injection Gasoline

Lunch 11:00 – 1:00

Session IV Hybrid Electric and Alternative Fuel Vehicles

Moderator: Jack Kitowski, ARB

1:00 – 3:00 p.m.

Mr. Ben Knight, Honda	Honda's Perspective on Hybrid Electric Vehicles
Mr. Dave Hermance, Toyota	Toyota's Hybrids
Dr. Andy Frank, UC Davis	Advanced Hybrid Technology
Dr. Sandy Thomas, H2Gen Innovations	Hydrogen Fuel Cells

Break 3:00 – 3:15 p.m.

Hybrid Electric and Alternative Fuel Vehicles, continued

3:15 – 4:15 p.m.

Dr. Louis Browning, ICF Consulting	The Role of Alternative Fuels in Reducing Greenhouse Gases
Mr. Michael Jackson, TIAX	Well to Wheel Analysis of Alternative Fuels

Public Comment Period 4:15 – 5:00 p.m.

DAY 3

Session V – Simulation of Aggregated Technologies

Moderator: Bob Cross, ARB

8:30 – 10:30 a.m.

Mr. Albert Turtcher, AVL	Advanced Simulation Technologies
Dr. John DeCicco, Environmental Defense Fund	Systems Analysis
Mr. Neville Jackson, Ricardo, Inc.	Systems Analysis
Dr. Peter Hofbauer, FEV	Advanced Diesel Engines for the EU And US Markets

Public Comment Period 10:30 – 11:30 am.