

17 NOVEMBER 2006

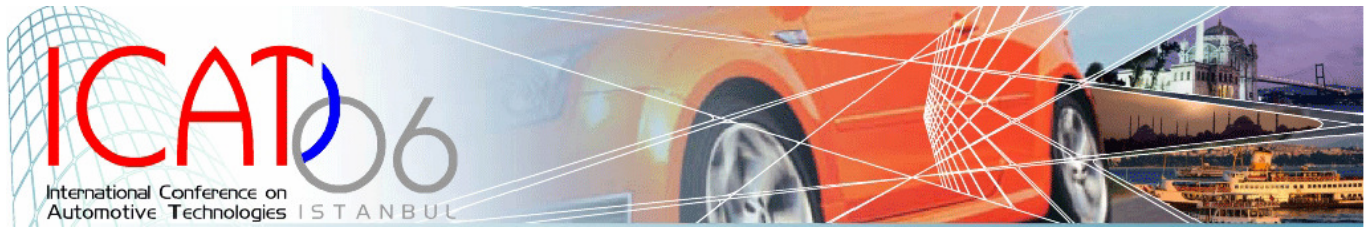
HYATT REGENCY - ISTANBUL

Opening Session

Chairman: Prof. Dr. Cem Sorusbay

- 09:00 – 09:05 Welcome Speech
Dr. A. Murat Yildirim - Congress President
- 09:05 – 09:10 Opening Speech
Prof. Dr. H. Faruk Karadogan – ITU President
- 09:10 – 09:20 Opening Speech / History of Turkish Automotive Industry
Turgay Durak – OSD President
- 09:20 – 09:40 Technological Responses to the Automotive Industry to the Concerns of Society in Europe
Dr. Ulf Palmquist– EUCAR Director
- 09:40 – 10:00 Achieving Economies of Scale and Scope in Automotive Research – The Automotive Industry and the Community Framework Programme for Research and Technological Development
Dr. Ugur Muldur – EC Head of Impact Analysis of Community Actions Unit
- 10:00 – 10:20 Vision for 2030 – Turkish Automotive Industry
Jan Nahum – Petrol Ofisi CEO
- 10:20 – 10:40 Transient Operation in Different Heavy Duty Test Cycles as a Special Challenge in the Future
Dr. Franz X. Moser – AVL, Powertrain Division Director

Coffee Break (10.40 – 11.00)



Session 2a: European Organizations on Automotive Research

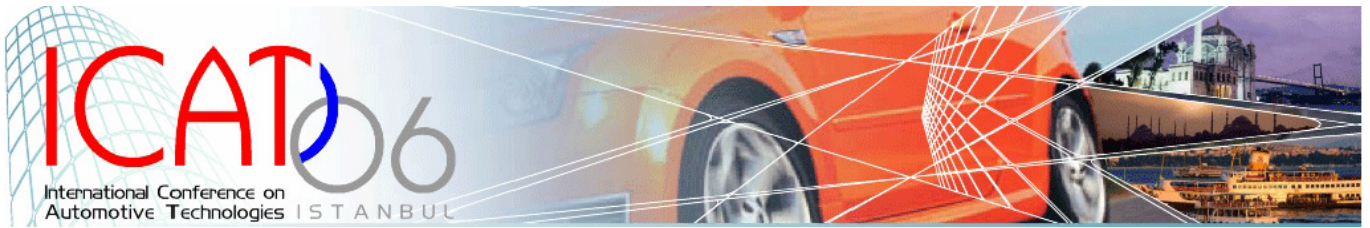
Chairman: Dr. Ugur Muldur

- 11:00 – 11:20 ETRAC and the Future of Road Transport in Europe
Rudi Kunze - ETRAC Chairman
- 11:20 – 11:40 ITS - Keeping People & Goods Moving
Arnold van Zyl - ERTICO CEO
- 11:40 – 12:00 FEHRL's Vision and the Common Approach to Automotive and Infrastructure Research
Steve Phillips – FEHRL Secretary - General
- 12:00 – 12:20 Transport : Oil Dependency & Alternatives
Alain Heilbrunn – CONCAWE Secretary - General
- 12:20 – 12:40 Vision for 2030 and Vision for 2030 and Beyond -The European The European Biofuels Platform
Anders Roj - Volvo Technology Corporation (Chairman BIOFRAC)

Session 2b: Advanced Combustion Engines

Chairman: Dr. Franz X. Moser

- 11:00 – 11:20 IP Green Heavy Duty Engine (GREEN)
Monica Ringvik - Volvo Technology Corporation
- 11:20 – 11:40 Comparative Evaluation of Water-Fuel Emulsion and Intake Air Humidification: Effects on HD
DI Diesel Engine Performance and Pollutant Emissions
Efthimios G. Pariotis - National Technical University of Athens
- 11:40 – 12:00 Research on Advanced Engine Combustion and Emission Abatement Strategies Conducted at
the LCSR-CNRS
Iskender Gokalp - France National Scientific Research Center
- 12:00 – 12:20 Downsizing and Stratified Operation – an Attractive Combination Based on a Spray-guided
Combustion System
Martin Wirth - Ford Motor Co.
- 12:20 – 12:40 Art and the Perspectives of FIAT Natural Gas Vehicles
Turker Gudu –TOFAS / FIAT



Session 3a: Workshop on Powertrain Modeling, Control and HIL Testing - A

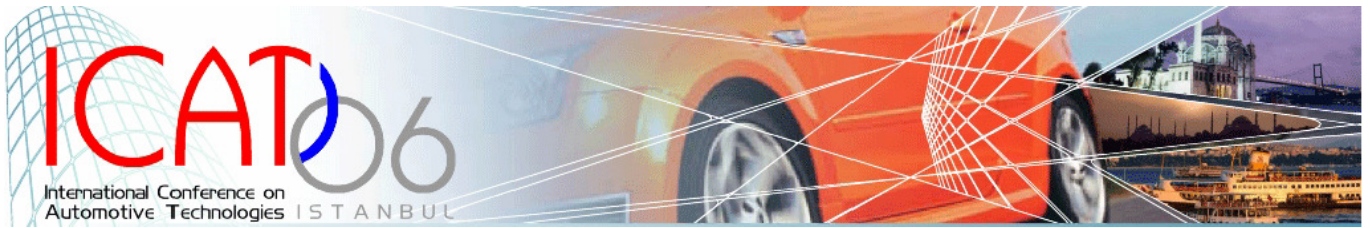
Chairman: Ufuk Guclu

- 14:00 – 14:20 Hybrid Vehicles and Solar Energy: a Possible Marriage?
Gianfranco Rizzo - University of Salerno
- 14:20 – 14:40 From the Visions of Road Transport in 2020, the RTD Actions Needed to an Outlook on an “Environmentally Compatible Hybrid Powertrain”
Peter Prenninger - AVL
- 14:40 – 15:00 VeHIL, Hardware-In-the-Loop Testing of Advanced Driver Assistance Systems
Hans-Martin Duringhof - TNO
- 15:00 – 15:20 FOHEV – Ford Otosan Hybrid Electric Vehicle
Evren Ozatay - Ford Otosan
- 15:20 – 15:40 Superior and Safe Overtaking by Using the New Driver Assistance System Dynamic Pass Prediction
Jan Lowenau - BMW Group Research and Technology

Session 3b: Workshop on Active Safety Systems

Chairman: Prof. Dr. Levent Guvenc

- 14:00 – 14:20 The DRIVE-SAFE Project: Signal Processing and Advanced Information Technologies for Improving Driving Prudence and Accidents
Aytul Ercil – Sabanci University
- 14:20 – 14:40 Total Road Safety: Let Us Remove the Driver From the Control Loop
Michel Parent - INRIA-IMARA
- 14:40 – 15:00 MAPS & ADAS – How Digital Maps CAN Contribute to Road Safety
Vincent Blervaque – ERTICO
- 15:00 – 15:20 Sleepy Drivers – Prediction, Detection and Warning Strategies
Anna Anund - Swedish National Road and Transport Research Institute
- 15:20 – 15:40 The SAFELANE Adaptive Lane Keeping Support System
Aris Polychronopoulos – ICCS



Session 4a: Workshop on Powertrain Modeling, Control and HIL Testing - B

Chairman: Prof Dr. Aytul Ercil

- 16:00 – 16:20 Statistical Engine Misfire Detection
Alexander Stotsky – Engine Division - Volvo Car Corporation
- 16:20 – 16:40 Future Power Trains and Fuel Cell
Ulrich Gottwick - Bosch
- 16:40 – 17:00 Engine Technology Roadmap: the Challenge of Diesel Emission Control
Philippe Bernet - Renault Powertrain Engineering
- 17:00 – 17:20 Integrating Chassis Control and Driver Assistance Systems using an Energy Framework
Christian Gerdes - Stanford University
- 17:20 – 17:40 Three Generations of On Board Signing Systems
Claude Laugeau - ENSMP

Session 4b: Advanced Fuel, Oil and Materials Technology

Chairman: Prof. Dr. Ercan Tezer

- 16:00 – 16:20 Bio-fuels and their Application to Light Duty Road Vehicles
John Bennet - Ford Motor Co.
- 16:20 – 16:40 Modification of Vegetable Oils for use as Industrial Lubricants
Sevim Erhan - USDA/ARS/NCAUR
- 16:40 – 17:00 Novel Nano-composite Coatings for Increasing Energy Efficiency and Durability in Advanced Automotive Systems
Mustafa Urgan - Istanbul Technical University
- 17:00 – 17:20 Development and Innovations Regarding Future Tyres - Challenges for the Automotive Industry
Ulf Sandberg - Swedish Road and Transport Institute
- 17:20 – 17:40 Advanced Materials and Processes in Automotive Applications
Nicola Gramegna - EnginSoft