

IAMF 2009 OFFICIAL PROGRAM

TUESDAY, 10 MARCH 2009

Opening Session (09:00-10:30)

Max Mosley	IAMF chairman and president of International Automobile Federation FIA
Luc Argand	President, Geneva International Motor Show

Coffee Break (10.30-11.00)

11:00-13:00

Session 1A: Fuel strategies for future transport needs

Kenneth D. Rose (Concawe)	
Nils-Olof Nylund (VTT Technical Research Centre of Finland)	The IEA advanced motor fuels 2009 status and outlook report on biofuels, other alternative fuels and new vehicles
Timur Gül (Paul Scherrer Institut)	Illustrating perspectives of energy and mobility
Petros Kassapis (IENE)	Mobility and energy in Greece
Thomas Thurnheer (EMPA)	Hydrogen enriched methane fuels: combustion and loss analysis

Session 1B: New powertrain concepts

Wolfgang Steiger (Volkswagen AG)	A fuel and powertrain strategy for individual mobility - the Volkswagen way
Christopher Onder (ETHZ)	Development of the Powertrain for a Formula Hybrid Competition Vehicle
Jérôme Bernard (Paul Scherrer Institut)	Energy efficiency power management strategy for fuel cell hybrid vehicles
Manishankar Biswas (General Motors)	On the fuel economy, performance and emission characteristics of a new variable type hybrid arrangement
Zdenek Cerovsky (Czech Technical University in Prague Faculty of Electrical Engineering)	Efficiency of unconventional powertrain with electric power-splitter in electric hybrid cars

Lunch (13.00-14.00)

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TUESDAY, 10 MARCH 2009 (Cont.)

14:00-16:00

Session 2A: Biofuels, natural gas, CTL, GTL - new sources for fuels

Peter Boisen (NGVA Europe)	Present and future use of methane (both natural gas and renewable biomethane) as a vehicle fuel
Beziat Jean-Christophe (Renault)	Life cycle assessment of alternative fuels: A car manufacturer perspective
Niels Jungbluth (ESU-services Ltd.)	Life cycle assessment of BTL-fuels and conversion concepts
Christopher Koroneos (School of Rural and Surveying Engineering National Technical University of Athens)	Comparative of LCA of the use of biodiesel and diesel for transportation
Aude Greninger (Gaz de France Suez)	Biomethane for vehicles in France
Stephen Ryan (Bios Fuel Corporation Ltd.)	Conversion of waste into a practical low-Nox fuel using emulsions with water, a New Zealand perspective

Session 2B: Advanced internal combustion engines including auxiliary systems for improved efficiency

Matthias Leifheit (Volkswagen AG)	Development of CNG-vehicles at Volkswagen
Yannick Louvigny (Université de Liège)	Preliminary design of twin-cylinder engine for hybrid electric vehicle applications
Takanori Kanna (Doshisha University)	Belt penetration and local slip in the pulley groove for metal
Anke Weidenkaff (EMPA)	Ceramic thermoelectric converters for exhaust gas heat recovery applications
Karl Meier (Bernier Fachhochschule BFH)	Start-/Stop and the battery
Bern Keet (Geo & Hydro - K8 Ltd.)	Add water and shake: Conversion waste into low Nox fuel
Markus Boyd (The University of Adelaide)	Autoignition properties and NOx emissions of pure biodiesel in a high speed, direct injection engine

Coffee Break (16.00-16.30)

16:30-18:00

Round table 1: Interaction between fuel supply and consumer

Julia King (Chair)	Aston University in Birmingham
Rolf Hartl	Union Pétrolière Suisse
Tbc	TCS
Tbc	Gaz representant
Tbc	AVERE

Gala dinner (19.30)

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WEDNESDAY, 11 MARCH 2009

8.30-10.30

Session 3A: Electricity for transportation (1)

Philippe Méan (EOS)	BEV's and PHEV's market penetration in Switzerland by 2020
Cord-Henrich Dustmann (Battery Consult SAGL)	Li or Na
Klaus D. Beccu (Battelle Geneva Research Center)	The future energy systems for hybrid electric vehicles: NiMH and/or Li-ion
Paul Schweizer (Lucerne University of Applied Sciences & Arts)	"Living and Mobility" - Vehicle to grid with light weight Plug-In

Session 3B: System aspects of individual mobility

Manishankar Biswas (General Motors)	On the importance of hybrid vehicle publicity and customer education prior to sale
Erik Wilhelm (Paul Scherrer Institute)	Heuristics for the design of advanced powertrains: strategies for vehicle manufacturers
Bernhard Egger (Austrian Agency for Alternative Propulsion)	Comparison of different R&D approaches on fuel cell vehicles
Manuel Bouza (Paul Scherrer Institute)	Allowing incumbents to survive and newcomers to grow: Understanding the types of innovations with its specific risks and opportunities in the automobile industry of the first half of the 21st century
Fabrizio Noembrini (ETHZ, LAV-IET)	Integrated assessment of technical oriented paths for the future cars powertrain on a Swiss case study

Coffee Break (10.30-11.00)

11:00-13:00

Session 4A: Risk on fuels and other energy carriers for the mobility

Lew Fulton (IEA-International Energy Agency)	
Nicolas Macabrey (Alcosuisse)	Sustainability of bioethanol: myth and reality - the Swiss regulation example
Guenther Brauner (TU Wien)	Infrastructure for Electrical Mobility
Adam Szczepanek (AeroVironment)	Integrated solution for electric vehicle infrastructure development: an enabler for electric vehicle adoption
Yunsung Lim (Transportation Pollution Research Center)	A study on hazardous air pollutant emissions from diesel engines utilizing DME & ULSD fuel

Session 4B: Options for future cargo transport

Tbc (SBB Cargo)	
Urs Schwegler (E'mobile)	Beer Delivery by Feldschlössen with Electric Trucks
Arnold Miller (Vehicle Projects LLC)	Beyond Maglev: Supersonic hydrogen tube vehicle
Bernard Paule (Estia SA)	SIRIUS 1 Project Modal shift action of Volvic beverage flows between France and Germany within the framework of MARCO-POLO program
Jan Czerwinski (AFHB)	Influences of alternative fuels GTL, RME & ROR on combustion and emissions of a modern HD-Diesel engine

Lunch (13.00-14.00)

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WEDNESDAY, 11 MARCH 2009 (Cont.)

14:00-15:30

Round table 2: Infrastructure for plugs in vehicles

Robert Stüssi (Chair)	AVERE / WEVA
Marcel Maurer	E'mobile
Tbc	EPFL
Peter Kieffer	Landis & Gyr
Tbc	Nissan
Tbc	EDF
Tbc	Parkomatic

Visit of the Motor show

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THURSDAY, 12 MARCH 2009

8:30 -10:30

Session 5A: Technology overview - the car industry's point of view

Tbc (Fisita - International Federation of Automotive Engineering Societies)	
Marco Piffaretti (Protoscar SA)	The all new electric NABUMBA cabrio: the most efficient way to use electric energy in a premium zero emission sports car
Nicola Dallatana (Segway Inc.)	Segway PT in Europe
Guido Boosten	The best way to predict the future is to invent it
Jan Svaheim (Elbil Norge AS)	Small and light electric vehicles - a blimp on the map, or a small revolution?
Thomas Bachmann (Honda Aachen)	Insight?

Coffee Break (10.30-11.00)

IAMF 2009 OFFICIAL PROGRAM

THURSDAY, 12 MARCH 2009 (Cont.)

11:00 - 13:00

Session 5B: Electricity for transportation (2)

Urs Muntwyler (IEA implement agreement "hybrid and electric vehicles")	The Future of the Transportation is Electric
Robert Horbaty (ENCO Energie-Consulting AG)	Plug-in vehicles and smart grids: From simple charging at home to grid regulating ancillary services
Matthias Galus (ETHZ)	A framework for investigating the impact of plug in hybrid and electric vehicles
Peter De Haan (ETHZ)	For what reason did hybrid drivers purchase their car, how much energy do they save in reality, and what are the implications for the marketing of plug-in hybrids?
Christopher Letinger (Vienna University of Tehcnology)	Energy Demand and Charging Strategies of Battery Electric Vehicles
Urs Schwegler (Newride)	E-Scooters: Technologies and Markets

Lunch (13.00-14.00)

IAMF 2009 OFFICIAL PROGRAM

THURSDAY, 12 MARCH 2008 (Cont.)

14:00-15:30

Round table 3:

Fuels - A competition between resources and global warming?

Hans Björn Püttgen (Chair)	EPFL
Tbc	WWF
Tbc	IEA
Tbc	CCEM
Tbc	OFEN

Closing Session (15:30-16:15)

Maurizio Maggiore (European Commission)	"Achieving the European 2020 targets – the importance of transport technology development"
Philipp Dietrich (Paul Scherrer Institute)	Closing remarks