

## CONFERENCES

update 23 Dec 2010

**TUESDAY, 8 MARCH 2011**

### Opening Session (10.00-11.30)

*Chair: Philipp Dietrich*

**Room C**

Speaker	Company name	Presentation title
Luc Argand, President Geneva Motor Show	Geneva International Motor Show	Welcome speech
Jean Todt, President FIA Bernard Niclot, Technical Advisor of FIA President's cabinet	Fédération Internationale de l'Automobile	Racing as innovation driver for Automotive technologies
Nevio di Giusto, President & CEO of Centro Ricerche Fiat	Centro Ricerche Fiat	Mobility solutions: infrastructures, boundaries, processes
Hugues Van Honacker, Policy Officer Clean transport and urban transport	European Commission - Mobility and Transport DG	European Commission transport policy for clean vehicles
Hans Björn Püttgen, Professor Director of Energy Center EPFL	EPFL - Swiss Federal Institute of Technology Lausanne	Pros and cons on the biofuels

### Lunch Break (11.30 - 13.00)

**Room C**

### 13.00 - 13.30 : Murat Guenak, Designer

**Member of Executive Board, mia- electric (keynote speaker)**

*Influences of new technologies on car design and impacts on the life style*

**Room C**

### 13.30 - 15.10

**Session 1: Powertrain Technologies**

*Chair: Walter Lange, General Manager Gasmobil AG*

**Room C**

Thomas Koerfer	FEV Motorentechnik GmbH	Modern DI-Diesel Engines – Backbone of Low CO2 Vehicle Portfolios under stringent governmental regulations
Jim Mc Dowell	SAIC	Advancing Diesel Engine Thermal Efficiency
Tobias Ott	ETHZ - Swiss Federal Institute of Technology Zurich	How much fuel can a hybrid electric vehicle save?
Jérôme Bernard	Paul Scherrer Institut	Direct Electrical Coupling of Fuel Cell and Battery for Electric Powertrains
Georges Gil	ETHZ - Swiss Federal Institute of Technology Zurich	Parametric study on the influence of driving cycles on fuel consumption for different powertrains

### Coffee Break (15.10 -15.40)

**Room C**

**TUESDAY, 8 MARCH 2011**

**15.40 - 17.20**

**Session 2: Advanced vehicle technologies**

**Chair: Martijn Van Walwijk, Independent Consultant**

**Room C**

Marco Piffaretti	Protoscar	The evolution to a purpose designed, premium EV
Jethro Naude	Status Economics, Inc.	The Effectiveness of Plug-In Hybrid Electric Vehicles in Reducing the Demand for Gasoline
Ji Weon Ko	Sungkyunkwan University	Analysis of EWB Performance for a Fuel Cell Electric Vehicle during Regenerative Braking
Martin Weilenmann	Empa	Fuel Consumption and Exhaust Emissions of Mobile Air Conditionings, Status and Options for the Future
Sten Karlsson	Chalmers University of Technology	The Importance of Car Movement Data for Dertermingin Desing, Viability and Potential of PHEVs

**17.20 -19.00**

**Round table: Implication on the market of CO2 limitations**

**Moderator: Urs Muntwyler, Chairman IEA Implementing agreement HEV**

**Room C**

Jonathon B. Husby Vice President - Global Sales and Marketing	TomTom Automotive	
Christof Engelskirchen, Corporate Development Manager	EurotaxGalss's	
Fiorentino Valerio Conte	AIT - Austria Institute of Technology	
Eric Gross, Director	Pôle Véhicule du Futur	
Rene Bautz, General Manager	GazNat SA	

**19.00 - 20.00 Pavillon Vert (Guided tour)**

**Motor Show**

**20.00 -22.00 Cocktail on the Swiss Association e'mobile and Gasmobil's stands**

**Motor Show**

WEDNESDAY, 9 MARCH 2011

9.00 - 9.30

**Martin Wietschel, Coordinator of Business Unit Energy Economy  
Fraunhofer Institute (keynote speaker)**

*Creation of new fuel supply infrastructure (CNG, LPG, Ethanol, Electricity, H2,...)*

**Room C**

9.30 -11.10

**Session 3 : Multi criteria Analysis**

*Chair: Yves Lehmann, Chairman of the Swiss Association e'mobile*

**Room C**

Erik Wilhelm	Paul Scherrer Institute	Multi-Criteria Analysis of Driver Preference for New Vehicle Technology to Identify Robust Alternatives
Hannes Rose	Fraunhofer Institute IA0	Total Cost of Mobility: Towards a Holistic Assessment of Environmental and Economical Costs of Individual Mobility
Andrew Simons	Paul Scherrer Institute	Life Cycle Assessment of Hydrogen Use in Passenger Vehicles
Philip Gott	IHS Automotive Consulting	Impact of Alternative Powertrain Technologies on Energy Demand
Sara Marques	DTEA-IST - Instituto Superior Tecnico Transportes, Energia e Ambiente	Conventional, Plug-in Hybrid and Pure Electric Vehicles Life-Cycle Comparison Considering Smart Connection to the Portuguese Electrical Grid and Consequent Impact in CO2 Emissions

**Coffee Break (11.10-11.40)**

**Room C**

11.40-13.20

**Session 4: Energy storage and Infrastructure**

*Chair: Vinzenz Härri, University of Applied Sciences of Central Switzerland*

**Room C**

Klaus D. Beccu	Battelle Geneva Research Center	Future perspectives of electromobility in terms of electrochemical energy storage
Bernd Propfe	German Aerospace Center	Customer Suitability of Electric Vehicles based on Battery-state-of-charge Analysis
Jamshid Arian Assl	iev Aryana SA/NV & E4 Research Center	AITIS - Aryana Intelligent Transportation System
Forence Fusalba	CEA - Commissariat à l'Energie Atomique et aux Energies Alternatives	Emphasis on Power Li-Ion technology: Quick Charge & Durability introducing Titanate-based negative electrodes in Batteries
Pierre Strub	Consultant	Electricity consumptions, CO2---emissions and supply of grid balancing energy of EV and PHEV in Switzerland 2015---2035

**Dialogue Session & Lunch (13.20 - 14.30)**

*titles & presenters here below*

**Foyer**

WEDNESDAY, 9 MARCH 2011

**14.30 - 15.00**

**Geoff Snelson, Corporate Director Strategy & Partnerships  
Milton Keynes Council, United Kingdom (keynote speaker)**

*Lessons learnt from Milton Keynes City*

**Room C**

**15.00 - 16.40**

**Session 5: Market Introduction**

*Chair: Florian Rothfluss, Innovation Mobility, Fraunhofer Institute*

**Room C**

Thomas Ebeling

Nissan Europe

The European launch of LEAF, the world's first affordable 100% electric vehicle

Joachim Monkelbaan

ICTSD - International Center for Trade  
and Sustainable Energy

Deploying Climate-Related Technologies in the Transport Sector: Exploring Trade  
Links

Sam Cross

Eurelectric

European Electricity industry perspectives on EVs: Achieving an electrified,  
decarbonised transport sector

Paul Lin

BYD AUTO Co., Ltd.

BYD Green City Solution

Philippe Méan

Alpiq

Potential markets, implementation strategies and recharging regimes for a  
successful mass penetration of electric vehicles in Switzerland by 2020

**16.40 - 16.45**

*Philipp Dietrich, Chairman IAMF 2011*

**Room C**

**Pavillon Vert**

**Motor Show**

**DIALOGUE SESSION & LUNCH**

**Wednesday, 9 March 2011**

*Posters can be seen in the Foyer until 17.00*

**Foyer  
13.20-14.30**

**Advanced Powertrain and Vehicle Technologies**

Luca Buzzoni	Regione Emilia-Romagna	Innovative Electric Storage Systems and New Prospects
Mihaela Chefneux	ICPE-SA	E-BIKE : A Solution for Sustainable Development of "Politehnica" University Campus
Sigitas Kudarauskas	S. Kudarauskas Personal Enterprise	Advanced Powertrain for Hybrid Vehicles: The Free-Swinging Piston Engine and Oscillating Rotary Generator
Urs Muntwyler	IEA IA HEV	EV and PV: a winning combination has its 25 years anniversary
João Ribau	Instituto Superior Técnico	Alternative vehicle energy management strategy optimization model and application to a fuel cell Plug-In Hybrid Vehicle
Minseok Song	Sungkyunkwan University	Development of the control logic for electric oil pump during mode change of a 6-speed AT-based hybrid electric vehicle
Norman Abell	Global Energy and Transportation Co.	Hybrid Electric, Sustainable Fuel, Mobile Water Purication/Electricity Generation Vehicle

**Multi criteria Analysis**

Margarida Coelho	University of Aveiro	Life Cycle Analysis of Hydrogen - Application to Transportation sector in Portugal
Ana Filipa Ferreira	Instituto Superior Técnico	Biohydrogen pathways for the Portuguese road transportation sector - Uncertainty in the LCA analysis
Fabrizio Noembrini	EPFL - Swiss Federal Institute of Technology Lausanne	
Sara Safarianova	ETHZ - Swiss Federal Institute of Technology Zurich	Techno-economic analysis of low GHG emission passenger cars
Jörg Weigl	Universiti Teknologi Malaysia, Business & Advances Technology Center	Performance and Efficiency Comparison of Fuel Cell Hybrid Power Train Topologies

## DIALOGUE SESSION & LUNCH

### Energy storage and Infrastructure

Jamshid Arian Assl	IEV Aryana SA/NV & E4 Research Center	AITS - Aryana Intelligent Transportation System
Enrique Dede	gh electrotermia s.a.	Advanced DC Ultrafast Charging Infrastructure for e-Mobility
Aleksandar Maksimovich	University of Applied Sciences of Central Switzerland	Energy Pack for Trolleybuses as an on-board Energy Storage System with Batteries and Supercapacitors
Kai Steckmann	SFC AG	Combined heat and power for increased range, efficiency and all year comfort of electric vehicles

### Market Introduction

Kenneth Lebeau	Free University of Brussels	How expensive are electric vehicles? A life cycle cost analysis.
Carolina Sachs	Fraunhofer IAO	Electric Vehicle Configurator
Silvia Ulli-Beer & Benjamin Boksberger	Paul Scherrer Institute	Roadmap 2020 for Sustainable Road Transportation: A Time based Coordination of Opportunities and Challenges
Eliane Zeller	Zurich University of Applied Sciences SoE School of Engineering	How to systematically raise a "Generation E"