

IAMF 2010 PROGRAMME

CONFERENCE

TUESDAY, 9 MARCH 2010

Opening Session (10:30-12:15) <i>Chair: Philipp Dietrich</i>			Room C
Speaker	Company name	Presentation title	
Luc Argand	Geneva Motorshow	Welcome speech	
Philip Gott	IHS Global Insight	Our vision on mobility in 2035	
William Borthwick	European Commission	European prospects to reduce gaz emissions in passenger car transportation	
Brian Wynne	Electric Drive Transportation Association (EDTA)	American perspectives on future transports	
Robert Stüssi	European Association for Battery, Hybrid and Fuel Cell Electric Road Vehicles (AVERE)	The situation of electrical Vehicles in Europe	
Lunch Break (12.15 - 13.00)			Room C
13.00 - 14.30 Session 1: Advanced Powertrain Technologies <i>Chair: René Bautz</i>			Room C
Joachim Fetzer (keynote)	SB LiMotive Co Ltd.	Potential and challenges of Li-Ion batteries in electrical powertrains	
Ruediger Freimann	IAV GmbH	CO2 reduction and advanced driving dynamics, a contradiction?	
Olivier Bordelanne	GDF SUEZ	From CNG to electrical vehicles: how natural gas can offer sustainable transport solutions?	
Gerfried Cebrat	Energie- und Umwelt Consulting	Impact of new power train concepts on vehicle design criteria. Results of the A3plus project "paradigm change in propulsion technology"	
Giampiero Brusaglino	ATA - Associazione Tecnica dell'Automobile	Advanced power train concepts demonstrated in Formula Electric and Hybrid Italy 2009	
14.30-15:45 Session 2: Vehicle energy storage devices and their fuelling / charging infrastructure <i>Chair: Martijn van Walwijk</i>			Room C
Philippe Méan (keynote)	Alpiq	Vision 2020 : 15 % of EVs in Switzerland. What kind of recharging infrastructure is needed ?	
Andrew Burke	University of California-Davis, Institute of Transportation Studies	Simulations of Plug-in Hybrid Vehicles using Advanced Lithium Batteries and Ultracapacitors on Various Driving Cycles	
Florence Fusalba	CEA	Safe, high energy and power batteries	
Fabrizio Noembrini	ETHZ - Swiss Federal Institute of Technology Zurich	Operating versus investment energy and GHG emissions of cars with conventional ice and (partial) electrified powertrains	
Coffee Break (15:45-16:15)			Room C
16:15-18:00 Round table: What will drive Plug-in or EV's on to the mass-market or not?			Room C
Marco Piffaretti (Moderator)	Protoscar SA		

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Hans H. Jung	Consulting4Drive GmbH	New Technologies Demand New Business Models
Patricia Baptista	IDMEC/IST	Strategic marketing plan for battery electric vehicles. The portuguese case.
Urs Muntwyler	IEA - Implementing Agreement IA HEV	The IEA transport roadmap and the IA HEV strategy for the 4th phase
Eva Sunnerstedt	City of Stockholm	Demonstration of plug-in hybrids in Stockholm (Sweden)
Markus Mehlín	1DLR, Institute of Transport Research	Potential sales of PHEV and BEV in Germany under different policy conditions
Jean-Paul Renaux	Renault Suisse SA	The future of electric cars

Pavillon Vert & Green Path Visit

Motorshow

Conference dinner (19:00)

Panoramic

WEDNESDAY, 10 MARCH 2010

8:30-10:00

Session 3 : Advanced Vehicle Technologies

New Chair: Yves Lehmann

Room C

Thomas Ebeling (keynote)	Nissan International SA	Leaf - the very new Nissan Electric Vehicle
G�rard Planche	Adam Opel GmbH	Opel Ampera - Electric car with range extender
Simon Voigt	Fraunhofer IAO	The Electromobile Value Architecture
Erik Wilhelm	Paul Scherrer Institute	Reducing the Weight of Electric, Hybrid, and Fuel Cell Vehicles Using Heuristic Design

Coffee Break (10.00-10.30)

Room C

10.30-12.00

Session 4: Technologies for Electro-mobility

Chair: Florian Rothfuss

Room C

Fabian Kley	Fraunhofer ISI	Assessment of future EV charging infrastructure
Aymeric Rousseau	Argonne National Laboratory	Selection of Control Strategies for Different PHEVs Based Upon Real World Driving Conditions
Daniel Betts	Enerfuel	Fuel Cells as powerful range extenders
Tunji Adebusuyi	Lithium Balance A/S	Fuel Cell in EV as a range extender. Practical integration with the battery pack and EV. Key challenges and best practice.
David Dyntar	ETHZ - Swiss Federal Institute of Technology Zurich	Power train strategies for light electric cars - lessons we can learn from Formula Student Racing Projects
John Chatterton-Ross	FIM - F�d�ration Internationale de Motocyclisme	Big Bang in Motorcycling

Introduction of the Dialogue session (12.00 - 12.15)

Susanne Wegmann

Room C

Dialogue Session (12.15-14.15)

titles & presenters here below

Foyer

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14.15 -16.00			Room C
Session 5 : Market Introduction of New Technologies			
<i>Chair: Stefano Ammirati</i>			
Patricia Sandmeier (keynote)	ABB Switzerland	Required infrastructure for electric vehicles by 2020 - using the case of Switzerland	
Floris Mulder	SenterNovem	Handbook for the local implementation of clean(er) fuel policies in Europe	
Peter de Haan	ETHZ - Swiss Federal Institute of Technology Zurich	On the different (urban, long-distance and touristic) simultaneous pathways to market of electric propulsion	
Sonia Lavadinho	ETHL - Swiss Federal Institute of Technology Lausanne	Evaluating the potential for intercity travel combining public transport and active modes: the "suisse roule" bike sharing system	
Manfred Dangelmaier	Fraunhofer-Institute for Industrial Engineering	The electromobile city - cities as incubators for e-mobility	
Renato Manzoni	MES/DEA	Pure electric and hybrid buses fleet in Bologna	
16.00 - 16.30: Conclusions & Summary - Part I: Technology (Philipp Dietrich), Part II: Market Trends (Robert Stüssi)			Room C
- FREE ENTRANCE!			
Pavillon Vert			Motorshow

DIALOGUE SESSION & LUNCH

Wednesday, 10 March 2010	12.15-14.15	Foyer
(Please note that all Posters can be seen in the Foyer until 17.00)		

1. Advanced powertrain and vehicle technologies		
Paul Cheeseman	Exide Technologies	The Reinvention of Lead Acid for HEV applications
Gonçalo Duarte	IDMEC, Instituto Superior Técnico	Reducing fuel consumption in vehicles using a real time monitoring system
Petter Krus	Linköping University	Light Sustainable Vehicles for Developing Countries
Sigitas Kudarauskas	S. Kudarauskas personal enterprise	Innovative powertrain of the free-swinging piston engine and oscillating rotary generator for hybrid electric vehicles
Dirk Meyer	Ecopowertechnology s.a. Brescia, I	Electric, hybrid and hydrogen buses for public transport
Ahmed Nour	Mechanical Engineering Department, Faculty of Engineering, Alexandria University, Egypt-.	The Effect of Carbon Dioxide on The Cycle Pressures in Non-Air Breathing Diesel Engine
Stephen Ryan	Bios Fuel Corporation Limited	Advanced Power Train Technologies Which Focus on Internal Combustion and Transmission Technologies Incorporated into a Concept Car Called "H2SR" Coupe Powered by New Fuel
Urs Schwegler	Association e'mobile	Beer Delivery by Feldschlösschen with Electric Trucks
Dragan Simic	Austrian Institute of Tehnology - AIT	Modeling, simulation and evaluation of a powertrain
Sarbjeet Singh	Government College of Engineering & Technology, Jammu, India	Reverse Engineering on brake - rod of rear wheel of Bajaj Pulsar 150cc motorbike and stress analysis using Autodesk Inventor software
Konstantinos Spentzas	National Technical University of Athens	A minimalist approach to the design of electric vehicles: what vehicles of the future can be
Karel Steurs	PSI (CCEM-CH) - ETHZ (LAV)	Energy Management Strategy for a Series Hybrid Electric Sports Car

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Thierry Wagenknecht	TPG - Tranports publics genevois	Hybrid Bus – solution for the public transport?
Olaf Zanger	Swisscom AG	Electric Mobility from an Operators Ecosystem Perspective
2. Energy storage in the vehicle and its fuelling / charging infrastructure		
Edmund Echter	ESG	Green Battery Balancing with Solar Energy
Joaquim Delgado	Institute of Systems and Robotics - University of Coimbra	Grid Load Balancing Using Different Electric Vehicles Charging Strategies
Ulrik Grape	Ener1	Li-ion Batteries: Chemistry Tradeoffs for Electric Propulsion
Benedikt Lunz	RWTH Aachen University	Comparison of Standard- and Fast-Charging of Plug-In Hybrid Electric and Pure Electric Vehicles
Fabio Montemurro	E4tech	Optimal solutions to integrate the electric vehicle load onto the grid
Paolo Passoni	365 Energy Group	Changing the Way People Move
Mohseni Pedram	Duke Energy Corp	Electric Vehicles: Holy Grail or Fool's Gold
Marco Piffaretti	Protoscar SA	From LAMPO to LAMPO-2: The evolution to a consumption of less than 100Wh/km-ton and a charging time of less than 20min/100km.
Paul Schweizer	Hochschule Luzern, T & A, CC IIEE	"Living and Mobility" - Blue Angel III with modular Energy Storage and Range
Eduard Stolz	Park & Charge	Towards a practice oriented charging infrastructure in international consensus
Patrick Suppiger	Vitogaz Switzerland AG	Safety of supply chain & applications of AUTOGAS (LPG)
Stefan Theiler	Vitogaz Switzerland AG	Security of supply of AUTOGAS
George Vukojcic	Lithium Balance A/S	Intelligent Battery Pack and State of the Art Battery Management - Key to safety and optimized performance of EV
Benoît Soucaze-Guillous	Maxwell Technologies GmbH	Ultracapacitors – an intelligent combination with batteries in order to increase overall energy efficiency
3. Introduction of new technologies into the market		
Patricia Baptista	MIT Portugal Program - IST	Energy and emissions scenarios of introducing new vehicle technologies in the Portuguese LDV fleet
Sten Bergman	Elforsk	Sweden - a perfect test center for electric mobility
Jessica Carragher Wallner	Kairos Future	Swedish attitudes towards electric cars and plug-in hybrid cars
Bernard Fleet	Fleetec Inc	AN OBJECT MODELLING APPROACH TO OPTIMISING INVESTMENT AND DECISION-MAKING FOR GREEN VEHICLES
Michel Martin	Michel Martin Ingénieur Conseil	Minimobiles and micromobiles
Patrice Nogues	EDF R&D	Factor 4 in transport sector ; Which place for alternative technologies ?
Bernd Propfe	German Aerospace Center	Market prospects of electric vehicles: modelling competition of alternative and enhanced conventional vehicle technologies
Pierre Strub	Nachhaltig Wirkt	Expected demand of electricity, evaluated CO2-emissions and supply of grid balancing energy through the use of electric vehicles and plug-in hybrids in Switzerland until 2035.
Silvia Ulli-Beer	Paul Scherrer Institute	Local implementation strategies of sustainable road transportation: A case analysis of the Novatlantis pilot region Basel

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Jean-Philippe Chavey	Jurassic Test	Jurassic Test, a young team for experiments and simulations in solar and electric mobility
Carsten Crome	eurotaxGLASS	Pure Electric Vehicles - The new car of the 21st Century?