

Conference Program

8th A3PS Conference

Eco-Mobility 2013

Strategies, R&D-Funding Programs and Projects
of Industry, Research and Public Authorities
for the Development and Market Introduction
of Alternative Propulsion Systems and Fuels

3rd and 4th October 2013

Tech Gate Vienna

Austrian Agency for Alternative Propulsion Systems

1st Conference Day

Welcome Address	10:00	
		Ingolf Schädler – Deputy Director General for Innovation Policy, bmvit – Austria
Keynote Session	10:15 – 12:45	Chair: Andreas Dorda
		Michael Duoba – Argonne National Laboratory – USA U.S. DOE Battery and Electric Drive Technology R&D Strategy to Achieve EV Everywhere Goals
		Hans G. Pettersson – Swedish Ministry of Enterprise – Sweden Swedish strategies and research funding for a globalized Swedish automotive industry and to replace fossil fuels
		Jacques Hébrard – Renault – France Automotive Industry: Vision 2033
		Tadashi Gengo – Mitsubishi Heavy Industries – Japan Large Format Industrial Batteries – It's Strategic Use and Development for an environmentally friendly transport system
		Andreas Dorda – A3PS / bmvit – Austria A3PS: R&D-support for industry and research institutions cooperating with public authorities on a strategic level of technological development
Lunch	12:45 – 14:00	
1st Session Hydrogen & Fuel Cells	14:00 – 15:20	Chair: Ewald Wahlmüller
		Peter Prenninger – AVL Scenarios towards the Industrialization of SOFC APUs
		Walter Böhme – OMV Hydrogen Infrastructure for Alternative Drive Trains from OMV
		Werner Sitte – University Leoben Long-term stability of SOFC cathodes for mobile and stationary applications
		Viktor Hacker – ICVT Graz University of Technology Pt-free Direct Ethanol Fuel Cells
Coffee Break	15:20 – 16:00	
2nd Session BEV/HEV & LCA Aspects of Electric Drive Trains	16:00 – 17:20	Chair: Rainer Weingraber
		A. Lengheim / Ernst Pucher – IFA Vienna University of Technology Wireless Underground Power Supply for Dynamic Charging of Electric Vehicles
		Herbert Josef Thanner – MAGNA STEYR Battery Systems Development and Production of Li-Ion Battery Packs for Transport Application – An Industry Perspective
		Gerfried Jungmeier – Joanneum Research Strategies to maximise the environmental benefits of vehicles with an electric drivetrain - Results of life cycle assessment in an International Context
		Frank Beste – AVL E-Mobility Flagship VECEPT

End of 1st Conference Day 17:20

2nd Conference Day

Keynote Session	9:00 – 10:30	Chair: Andreas Dorda
	Henning Lohse-Busch – Argonne National Laboratory – USA Impacts of Hot and Cold Temperatures on Plug-in Vehicle Efficiency and Range	
	Akihito Tanke – Toyota Motor Europe – Belgium Future Technology Development for Battery and Fuel Cell Vehicles	
	Francesco Palombo – Petrobras – Brazil Petrobras technology development for biofuels	
Coffee Break	10:30 – 11:00	
1st Session	11:00 – 12:40	Chair: Ernst Pucher
Advanced Powertrains	Franz Kampelmühler – Magna Steyr Engineering Meeting future CO₂ emission standards even without eMobility?	
	Wolfgang Wukisiewitsch – BRP Powertrain Diversity - The future of Powertrain technologies	
	Armin Traussnig – ViF Virtual Vehicle Energy-/Thermal Management Simulation of an Advanced Powertrain	
	Markus Schneider – Alset A world first – Hybrid Hydrogen Technology developed for the Aston Martin Rapide S to race the Nürburgring 24h	
	Christof Hepp – IVT Graz University of Technology Development of an Hydrogen/Gasoline V12 Engine for the 24h Nürburgring Race	
Lunch	12:40 – 14:00	
2nd Session	14:00 – 15:00	Chair: Andreas Gronauer
Biofuels	Dina Bacovsky – BIOENERGY 2020+ Biofuels RD&D in BIOENERGY 2020+	
	Reinhard Rauch – VT Vienna University of Technology Synthetic biofuels – do they have a future?	
	Gerfried Jungmeier – Joanneum Research Facts & Futures of producing biofuels in biorefineries – current Status and Future perspectives	
Special Presentation	15:00 – 15:15	
	Christian Drakulic – bmvit The EU Framework Programme Horizon 2020 – An Overview	
Coffee Break	15:15 – 15:30	
Panel Discussion	15:30 – 16:30	Moderation: Andreas Dorda
	Participants: Michael Duoba – Argonne National Laboratory – USA Hans G. Pettersson – Swedish Ministry of Enterprise – Sweden Jacques Hébrard – Renault – France Tadashi Gengo – Mitsubishi Heavy Industries – Japan Henning Lohse-Busch – Argonne National Laboratory – USA Akihito Tanke – Toyota Motor Europe – Belgium Francesco Palombo – Petrobras – Brazil	

End of Conference 16:30

Exhibition

Parallel to the Conference

Exhibitors:

- AIT
- Alset
- AVL
- bioenergy 2020+
- Fronius
- Magna
- TU Graz
- Virtual Vehicle

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