

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 Steven Boyd – US Department of Energy – USA U.S. DOE Battery and Electric Drive Technology R&D Strategy to Achieve EV Everywhere Goals Chair: Andreas Dorda 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 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 Chair: Ewald Wahlmüller
Coffee Break	15:20 – 16:00
2nd Session BEV/HEV & LCA Aspects of Electric Drive Trains	16:00 – 17:20 A. Lengheim / Ernst Pucher – IFA Vienna University of Technology Wireless Underground Power Supply for Dynamic Charging of Electric Vehicles Robert Schaffernak – 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 Michael Nöst – ViF Virtual Vehicle E-Mobility Flagship VECEPT Chair: Rainer Weingraber

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, Manfred Klell – HyCentA Meeting future CO₂ road transport emission standards even without eMobility?	
	Wolfgang Wukisiewitsch – BRP Powertrain Diversity - The future of Powertrain technologies	
	Daniel Watzenig – 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 & Alset 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: Steven Boyd – US Department of Energy – 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

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