

Conference Program

A3PS Conference 2010

Alternative Propulsion Systems and Energy Carriers –
Vehicle Integration and System Optimization

18th and 19th November 2010

Tech Gate Vienna

Austrian Agency for Alternative Propulsion Systems

Austrian Agency for Alternative Propulsion Systems
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A public private partnership in cooperation with the Austrian
Federal Ministry for Transport, Innovation and Technology

Program

1st Conference Day – Vehicle Integration

Keynote Speakers

10:00	Andreas Dorda – A3PS Austrian Agency for Alternative Propulsion Systems – Cooperation between Industry, Research Institutions and Technology Policy
10:30	Göran Wirmark – Volvo Trucks Future Energy Carriers and Propulsion Systems for Buses and long Distance Trucks
11:00	Gerald Killmann – Toyota Europe Hybrid Technology - System and Vehicle Design for Mass Production
11:30	Antonio Bertini – Oxygen
12:00	Ralf Dingeldein – Linde Alternative Propulsion Systems in Special Vehicles

12:30 – 13:30 Lunch

Block 1: 13:30 – 15:15

	Wolfgang Kriegler – Magna Approaches for the increasing Energy Diversity
	Harald Plöckinger – KTM The Powertrain of the KTM-Freeride BEMC
	Ewald Wahlmüller – Fronius
	Andreas Schenner - Bitter Clean Motion Offensive
	Prof. Helmut Eichlseder - TU Graz - Inst. of Internal Combustion Engines and Thermodynamics Thermodynamic Potential and Limits of IC Engines

15:15 – 15:45 Coffee Break

Block 2: 15:45 – 17:15

	Gerfried Jungmeier – Joanneum Research Ecological Assessment of different Vehicle Concepts
	Luis Cachón – TU Wien - Inst. of Powertrains and Automotive Technology Clean Heavy Duty
	Helmut Oberguggenberger – AIT – Mobility Electric Bus – Development and Integration of the Electric Drivetrain
	Manfred Klell – Hydrogen Center Austria Hydrogen – Potentials and Perspective

2nd Conference Day – System Optimization

Keynote Speakers

09:00	Hofmann – Continental Automotive Powertrain 2020, Challenges and Solutions from a Supplier's Perspective
09:30	Mo-Hua Yang – TD HiTech Energy Inc. Taiwan Li-ion Battery: Development Status and Perspective in Electric Vehicles

10:00 – 10:30 Coffee Break

Block 1: 10:30 – 12:30

	Peter Gollob – AVL Reliability and Security of Lithium Batteries
	Wolfgang Wukisiewitsch – BRP Powertrain Future Propulsion Systems
	Daniel Watzenig – Das Virtuelle Fahrzeug Battery Technology and Simulation
	Franz E. Leichtfried – Biovest High-pressure Electrolysis: Maximizing “well to wheel” Energy Efficiency for Hydrogen-powered Vehicles
	Prof. Georg Brasseur / Hannes Wegleiter – TU Graz - Inst. of Electrical Measurement and Measurement Signal Processing Flywheels for Drive Systems
	Prof. Günther Brauner – TU Vienna – Inst. of Electrical Power systems and Energy Economics Sustainable intermodal Mobility Concepts for Suburban Areas

12:30 – 13:30 Lunch

Panel Discussion

13:30 – 14:30	Challenges and Opportunities of Vehicle Integration and System Optimization of Alternative Propulsion Systems for the Vehicle Industry
	Participants: Göran Wirmark – Volvo Trucks Gerald Killmann – Toyota Europe Antonio Bertini – Oxygen Ralf Dingeldein – Linde Karsten Hofmann – Continental Automotive Mo-Hua Yang – TD HiTech Energy

14:30 End of Conference