

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 Session

Chair: Andreas Dorda – A3PS

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- 10:00 Andreas Dorda – A3PS
Austrian Agency for Alternative Propulsion Systems – A Cooperation between Industry, Research Institutions and Technology Policy
-
- 10:30 Göran Wirmark – Volvo
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
The Powertrain of the Oxygen CargoScooter
-
- 12:00 Ralf Dingeldein – Linde
Alternative Propulsion Systems in Special Vehicles
-

Lunch 12:30 – 13:30

1st Session

13:30 – 15:15

Chair: Ernst Pucher – TU Vienna IFA

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- Wolfgang Kriegler – Magna Steyr
Approaches for the increasing Energy Diversity
-
- Harald Plöckinger – KTM
The Powertrain of the KTM Freeride BEMC
-
- Ewald Wahlmüller – Fronius
Integration of a Fuel Cell Range Extender in Warehouse Logistic Vehicles
-
- Andreas Schenner – Bitter
CMO – Clean Motion Offensive
-
- Helmut Eichseder – TU Graz – Institute of Internal Combustion Engines and Thermodynamics
Thermodynamic Potential and Limits of IC Engines
-

Coffee Break 15:15 – 15:45

2nd Session

15:45 – 17:15

Chair: Josef Affenzeller – AVL

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- Gerfried Jungmeier – Joanneum Research
Environmental Assessment of different Vehicle Concepts
-
- Luis Cachón – TU Vienna – Institute of Powertrains and Automotive Technology
Clean Heavy Duty
-
- Hannes Lacher / Thomas Bäuml – AIT Mobility
Electric Bus – Development and Integration of the Electric Drivetrain
-
- Manfred Klell – Hydrogen Center Austria
Hydrogen – Potentials and Perspective
-

End of 1st Conference Day 17:15

2nd Conference Day – System Optimization

Keynote Session

Chair: Andreas Dorda – A3PS

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

Coffee Break 10:00 – 10:30

Session

10:30 – 12:30

Chair: Valerio Conte – AIT

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- Peter Gollob – AVL
Reliability and Safety of Lithium Battery Packs
-
- Wolfgang Wukisiewitsch – BRP Powertrain
Future Propulsion Systems
-
- Daniel Watzenig – Virtual Vehicle Competence Center
Battery Technology and Simulation of Lithium-Ion Systems
-
- Franz E. Leichtfried – Biovest Consulting
High-pressure Electrolysis: Maximizing “well to wheel” Energy Efficiency for Hydrogen-powered Vehicles
-
- Georg Brasseur / Hannes Wegleiter – TU Graz - Institute of Electrical Measurement and Measurement Signal Processing
Flywheels for Drive Systems
-
- Günther Brauner – TU Vienna – Institute for Energy Systems and Energy Economics
Sustainable intermodal Mobility Concepts for Suburban Areas
-

Lunch 12:30 – 13:30

Panel Discussion 13:30 – 14:30

Moderation: Andreas Dorda – A3PS

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
Mo-Hua Yang – TD HiTech Energy
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End of Conference 14:30