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Rethinking Propulsion.

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

Conference Program

Hybrid and electric vehicles,
energy storage technologies
and control systems

National and international R&D-projects,
research institutions and funding programs

October 21st 2008

Federal Ministry for Transport, Innovation and Technology
Radetzkystraße 2, A-1030 Vienna, Austria

Registration until October 10th 2008 via:

<http://www.a3ps.at/site/registration/3.html>

The participation at the conference is free.

Limited Number of participants.

Registrations will be considered in the order of their arrival.

Further information can be found at:

www.a3ps.at



Program

13:00–14:00 Lunch

Plenary Session

- 09:00 **Opening address by Andreas Reichhardt**
Director General at the Austrian Federal Ministry for Transport, Innovation and Technology (BMVIT)
- 09:15 **Development and Market Introduction of the Electric Drive Train by R&D-cooperation between industry, research institutions and technology policy in the Austrian Agency for Alternative Propulsion Systems, EU-Technology Platforms and the IEA**
Andreas Dorda – BMVIT/A3PS
- 09:45 **IEA IA-HEV Clean Vehicle Award Ceremony for Prof. Karl Kordesch**
Urs Muntwyler – IEA IA-HEV/Karl Kordesch-Award winner
- 10:00 **Research and Development of Energy Storage Technologies for Transportation at the U.S. Department of Energy**
David Howell – U.S. Department of Energy (DOE)
- 10:30 **The Ecological Affordable Car**
Joseph Beretta – PSA Peugeot-Citroën
- 11:00 **The Evolution of HONDAs Hybrid Vehicles**
Yoshio Yamamoto – HONDA R&D Co., Ltd, Automobile R&D Center
- 11:30–12:00 Break

12:00–13:00 Panel Discussion

Chair: Andreas Dorda – BMVIT/A3PS

International trends of Hybrid and Electric Vehicles

Participants:

David Howell – U.S. Department of Energy (DOE)

Joseph Beretta – PSA Peugeot-Citroën

Yoshio Yamamoto – HONDA R&D Co., Ltd, Automobile R&D Center

Session 1

- Chair: Urs Muntwyler – IEA IA-HEV/Muntwyler Energietechnik (CH)
Co-Chair: Bernhard Egger – A3PS
- 14:00 **Ready to race with zero emissions**
Franz Pirker – arsenal research
Harald Plöckinger – KTM
- 14:30 **Energy Storage Systems for Hybrid Vehicles; from Racing to Production cars**
Georg Brasseur – TU Graz – Institute of Electrical Measurement and Measurement Signal Processing
- 14:45 **The Ni-MH Battery – A High-Performance Battery System – An Overview**
Hermann Kronberger – TU Vienna – Institute of Chemical Technologies and Analytics – Division Electrochemistry
- 15:00 **Influence of Operating Conditions on Membrane Ageing in Polymer Electrolyte Fuel Cells (PEFC)**
Viktor Hacker – TU Graz – Christian Doppler Laboratory for Fuel Cell Systems
- 15:15 **HyLOG: Demonstration of Fuel Cell Range Extender for Zero Emission Material Handling Application**
Ewald Wahlmüller – FRONIUS
- 15:30–16:00 Break

Session 2

- Chair: Arie Brouwer – IEA IA-HEV/SenterNovem (NL)
Co-Chair: Stefan Herndler – A3PS
- 16:00 **Small Vehicles for Sustainable Mobility**
Günther Brauner – TU Vienna – Institute of Electrical Power Systems and Energy Economics
- 16:15 **Austrian Road Map for Battery Electric Vehicles**
Josef Spitzer – Joanneum Research
- 16:30 **Innovations on Hybridization for Sustainable Mobility**
Burkhard Pollak – AVL List
- 16:45 **Thermal Management of Hybrid Electric Vehicles**
Gerhard Lux – TU Vienna – Institute for ICE and Automotive Engineering
- 17:00 **Power Train Electrification / Hybridisation – Potentials and Complexity**
Wolfgang Kriegler – Magna Steyr
- 17:15 End