

Conference Program

A3PS Conference 2011

ECO-MOBILITY 2011 –

Strategies, Roadmaps and R&D Programmes and Projects of Industry, Research and Public Authorities for the Market Introduction of Alternative Propulsion Systems and Fuels

15th and 16th November 2011

Austria Center Vienna

Austrian Agency for Alternative Propulsion Systems

Austrian Agency for Alternative Propulsion Systems
Tech Gate Vienna
Donau-City-Straße 1
A-1220 Vienna, Austria
T +43-1-205 01 - 68100
F +43-1-205 01 - 68110
office@a3ps.at
www.a3ps.at

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

Program

1st Conference Day

Welcome Address

10:00 Ingolf Schädler – Deputy Director General for Innovation Policy – **bmvit**

Keynote

Session

10:15 – 12:45

Chair: Andreas Dorda – A3PS

Andreas Dorda – **A3PS**

ECO-Mobility from Austria 2015plus: An A3PS Technology Roadmap

Bernd Heid – **McKinsey**

Outlook on the Portfolio of Alternative Powertrains

Heiko Weller – **Bosch Engineering**

Individual E-Mobility System Solutions for Automotive and Off-Highway Applications

Kenji Miura – **METI**

Japan's Approach and Perspective on Next-Generation Vehicles

Bert De Colvenaer – **Fuel Cells and Hydrogen Joint Undertaking FCH JU**

Towards the Deployment of Fuel Cells and Hydrogen Technologies

Lunch

12:45 – 14:00

1st Session

14:00 – 15:20

Chair: Name – Institution

Helfried Sorger – **AVL**

AVL e-Fusion: Modern Electrification of Powertrain needs Integration of Functions

Petra Schemitsch – Schenker / Manfred Klell – **HyCentA**

Green Logistics offering Eco Solutions: Hydrogen Powered Fuel Cell Forklifts

Viktor Hacker - Institute of Chemical Engineering and Environmental Technologies – **TU Graz**

Lifetime Investigations of Polymer Electrolyte Fuel Cells (PEFCs) Under Real Operating Conditions

Prof Manfred Schrödl – Institute of Energy Systems and Electric Drives – **TU Wien**

Permanent Magnet Synchronous Motors in Inner- and Outer-rotor Configurations for Traction applications

Coffee Break

15:20 – 16:30

2nd Session

16:30 – 17:50

Chair: Name – Institution

Prof. Helmut Eichlseder / Manfred Klell – Institute for Internal Combustion Engines and Thermodynamics – **TU Graz**

Eco Mobility Based on Methane, Hydrogen and its Mixtures

Luis Cachón – Institute for Powertrains and Automotive Technology **TU Wien**

Energy Consumption and CO2-Emission Simulation of Cars with Electric Powertrain Systems

Gerfried Jungmeier – **Joanneum Research**

Austrian Perspectives for Renewable Fuels for Eco-Mobility

Daniel Huber – **Spirit Design**

Innovative Mobility Concepts for Smart Cities

End of 1st Conference Day 17:50

2nd Conference Day

Keynote

Session

9:00 – 10:30

Chair: Andreas Dorda – A3PS

Lucio Bernard – **CRF/Fiat Powertrain**

Powertrain Evolution of the Next Years: from Conventional to Alternative

Manfred Schuckert – **Daimler Trucks**

Strategies for the Reduction of CO2-Emissions from Commercial Vehicles - Are Alternative Powertrains the Solution?

Leevon Tian – **BYD**

BYD's Battery Technology and its Green City Solution

Coffee Break

10:30 – 11:00

1st Session

11:00 – 12:20

Chair: Josef Affenzeller – AVL

Markus Bichler – **Magna Powertrain**

Alternative Propulsion Systems – Challenges and Opportunities for small and medium sized Vehicles

Wolfgang Wukisiewitsch – **BRP**

BRP and Eco-Mobility

Daniel Watzenig – **Virtual Vehicle**

Multi-disciplinary Design of Alternative Drive Trains: An Integrated Approach for Simulation and Validation

Christian Chimani – **AIT**

Light Weight Design of Al-Mg Hybrid Space Frames for Urban E-Vehicles

Lunch

12:20 – 14:00

Panel

Discussion

14:00 – 15:00

Moderation: Andreas Dorda – A3PS

Participants: **Lucio Bernard – CRF/Fiat Powertrain**

Bert De Colvenaer – FCH JU

Bernd Heid – McKinsey

Kenji Miura – METI

Manfred Schuckert – Daimler Trucks

Leevon Tian – BYD

Additional Program to the conference

Exhibition of Vehicles and Components / Test Drive / Press Conference

End of Conference 15:00