

# Eco-Mobility 2025<sup>plus</sup>

R&D-challenges on the way to 95 g CO<sub>2</sub>/km and lower

A3PS-Conference on







*Advanced Thermodynamic and Electric Power Trains, Automated Vehicles as well as Renewable Energy Carriers*

## 1<sup>st</sup> Conference Day

09:30	Welcome	Chair of Session: Wolfgang Kriegler		
		Welcome by A3PS		
		Andreas Dorda	Welcome Address Ministry for Transport, Innovation and Technology	
09:45		Wolfgang Kriegler	Eco-Mobility 2025 <sup>plus</sup> - Technologies for 75 g CO <sub>2</sub> /km in 2025	
10:00		Liam Breslin	Smart, green and integrated Transport	
10:30		Coffee Break		
11:00	Keynote Session	Gereon Meyer	European Green Vehicles Initiative PPP – Approach, Impact and Future Outlook	
11:30		Petter Haugneland	The Norwegian EV Success story	
12:00		Johannes Töpler	Hydrogen and Fuel Cell Technologies: Elements of a Sustainable Energy Economy	
12:30		Lunch		
14:00	Advanced Thermodynamic Power Train Technologies	Chair: Walter Böhme		
		Peter Prenninger	Efficiency Towards 50% and Emissions Towards Zero: Future ICE Technology	
14:20		Helmut Eichseder	Dual Fuel Combustion – an Applicable Technology for Mobile Application?	
14:40		Thomas Hofherr	Potential of CNG-Direct-Injection for Downsizing Engine Concepts	
15:00		Nigel Foxhall	Potential of Different Injection Systems for High Performance Two-Stroke Engines	
15:30		Coffee Break		
16:00	Renewable Fuels	Chair: Ewald Wahlmüller		
		Walter Böhme	wind2hydrogen	
16:20		Manfred Klell	HyCentA – 10 Years of Hydrogen Success Story	
16:40		Viktor Hacker	Developments in Hydrogen Production and Storage Technologies	
17:00		Dina Bacovsky	Sustainability versus Cost - The Perfect Future Energy Carrier	
17:20		Ernst Fleischhacker	Hydrogen Mobility in the Green Corridor to Advance Technology Competition in Central Europe	
17:45		End of 1 <sup>st</sup> Conference Day		

Social Evening - Sky Stage

## 2<sup>nd</sup> Conference Day

09:00	<b>Keynote Session</b>	Chair of Session: Wolfgang Kriegler		
		Andy Fuchs	On the Road to a Sustainable Mobility	<b>TOYOTA</b>
09:30		Uwe Maier	Components for Electric Energy Storage and Fuel Cell Systems from ElringKlinger	<b>elringklinger</b>
10:00		Rajesh Ahluwalia	U.S Department of Energy Hydrogen and Fuel Cells Program	
10:30	<b>Coffee Break</b>			
11:00	<b>Plenary Session</b>	Jürgen Stockmar (Moderation)	Rajesh Ahluwalia / Andreas Dorda / Andy Fuchs Petter Haugneland / Uwe Maier Gereon Meyer / Johannes Töpler	<b>Plenary Discussion</b>
12:00		<b>Lunch</b>		
		Chair: Manfred Schrödl		
13:30	<b>Electric Power Train Technologies</b>	Alessandro Zanon	Cooling Concept Design Aided by Numerical Simulations of Air Cooled Electric Drive	<b>AIT</b> AUSTRIAN INSTITUTE OF TECHNOLOGY
13:50		Michael Nöst	Results of the e.-Mobility Lighthouse Project VECEPT and Outlook on eMPROVE	<b>AVL</b>  <b>IESTA</b>
14:10		Markus Schermann	Highly Integrated Electric Drive System	<b>MAGNA</b>
14:30		Werner Rom	Modular Electrified Powertrains for Future Urban L-Category Vehicles (EU-LIVE)	<b>virtual vehicle</b>
14:50		Patricia Handel	Future Trends, Challenges and Development Issues at the System Level of Lithium-Ion Cells/Battery Packs	<b>SAMSUNG SDI</b> 
15:15	<b>Coffee Break</b>			
		Chair: Werner Rom		
16:00	<b>Advanced Power Train Integration Technologies</b>	Hanno Miorini	Man or Machine – The Path to Zero Accident Driving	 <b>BOSCH</b>
16:20		Andreas Eckel	Central Platform ECU for Advanced Driver Assistance Systems	<b>TItech</b>
16:40		Peter Hrassnig	Management of Dynamic Traffic Data and Connectivity into Vehicles	<b>ASFiNAG</b>
17:00		Andreas Kuhn	VERONET - A framework for Self Learning, Adaptive Traffic Control including Car2X Communication	<b>AN DATA</b>
17:20		Bernhard Grosswindhager	Potential of Cooperative Systems for Automated Driving	<b>MAGNA</b>
17:40	<b>Life Cycle Assessment</b>			
		Gerfried Jungmeier	Is LCA killing the Electric Car? – Results of an IEA-Task on Hybrid & Electric Vehicles	 <b>JOANNEUM RESEARCH</b> 
18:00	<b>End of Conference</b>			

**Farewell Event - with drinks and snacks**