

Day 1 - Thursday, November 13, 2025 - DRAFT



8:30 – 9:00	Registration
9:00 – 9:15	Opening & Introduction Dr. Michael Nöst & Prof. Peter Prenninger A3PS Austrian Association for Advanced Propulsion Systems
9:15 – 9:30	Welcome SC Henriette Spyra Federal Ministry for Innovation, Mobility and Infrastructure (BMIMI)
9:30 – 11:00	Keynotes: Competitive Powertrain Industry Chair: Dr. Michael Nöst Dr. Yogesh Mittal JBM Group, India: <i>Competitiveness Perspective of the Indian Automotive Industry</i> Dr. Stefan Rohringer Infineon: <i>Semiconductor as key contributor for different powertrain offerings</i> Dr.-Ing. Stephan Neugebauer European Road Transport Research Advisory Council (ERTRAC), Chair, BMW AG: <i>Focus Competitiveness- a multi-stakeholder proposal for a single Automotive Partnership at European level</i> Panel Discussion
11:00 – 12:30	Session 1: Battery and Electric Powertrain Chair: Dr. Damian Cupid Keynote: Prof. Uwe Dieter Grebe TU Wien Institute of Powertrain and Automotive Technology: <i>System optimization of the electric drive through thermal management</i> Prof. Daniel Rettenwander Norwegian University of Science and Technology and AIT Austrian Institute of Technology: <i>Solid State Battery</i> Mr. Andreas Wolf Fraunhofer ISC: <i>A circular perspective on battery recycling – The role of low-cost chemistries</i> Panel Discussion
12:30 – 13:30	Lunch Break

13:30 – 15:00	Session 2: Sustainable Energy Carriers & Energy Converters Chair: Prof. Peter Prenninger Dr. Jan Niklas Geiler Robert Bosch GmbH: <i>H₂ ICE Hybrid Powertrain for LCV Application</i> Prof. Edith Bucher Montanuniversität Leoben: <i>High temperature electrolysis for sustainable energy carriers</i> Prof. Nicole Wermuth TU Graz, LEC: <i>Decarbonization strategies for ocean-going vessels</i> Panel Discussion
15:00 – 15:30	Poster Presentation Introduction of Poster Authors Moderation: Prof. Werner Sitte & Prof. Thomas Lauer
15:30 – 16:30	Visit of the Posters
16:30 – 17:00	Coffee Break
17:00 – 18:45	Session 3: Hydrogen and Hydrogen-Vehicles Chair: Dr. Alexander Trattner Keynote: Dr. Stephan Herbst Toyota Motor Europe: <i>Hydrogen Mobility - Hype or Reality</i> Keynote: Dr. Florian Henkel Cellcentric: <i>Industrialization of Fuel Cells for Heavy-Duty Long-Haul Applications</i> Mr. Christoph Kiegerl Liebherr-Werk Bischofshofen GmbH: <i>Hydrogen propulsion in construction machinery made in Europe and its regulatory challenges</i> Mr. Samuele Cappelli HyCentA: <i>Potential of AEM Fuel Cells – Simulation as an Enabler</i> Panel Discussion
18:45 – 19:00	Visit of the Posters
19:00 – 21:30	Social Evening Ms. Jaqueline Grassl & Dr. Christian Chimani BMIMI / A3PS Board: <i>Welcome Address</i>

9:00 – 10:30 **Keynotes: Transformation of Transport in Science and Industry**
Chair: Prof. Thomas Lauer

Prof. Christian Trapp / Prof. Helmut Eichlseder | TU Graz ITnA: *More than just the past: Perspectives of future combustion engines as sustainable drive systems*

Mr. Roland Sommer | Plattform Industrie 4.0: *Digital Product Pass*

Dr. David Storer | CLEPA: *Competitiveness of the European Automotive industry*

Panel Discussion

10:30 – 11:00 Coffee Break and **Visit of the Posters**

11:00 – 12:30 **Session 4: Innovative Materials and Production**
Chair: Prof. Franz Haas

Mr. Sebastian Kirchhamer | Miba Gleitlager Austria: *Evaluating plain bearing performance in alternative fuel engine applications*

Dr. Carina Schlögl | LKR Leichtmetallkompetenzzentrum Ranshofen: *Advanced Lightweight Materials for Future Mobility*

Dr. Werner Aumayr | coilDNA: *The Power of 14 Characters: coilDNA links digital twins to physical products, enhancing optimization*

Panel Discussion

12:30 – 13:30 **Lunch Break**

13:30 – 15:00 **Session 5: Vehicle Innovation, Safety and Sustainability**
Chair: Prof. Bernhard Brandstätter

Keynote: Prof. Sebastian Fischmeister | University of Waterloo: *Zero-Trust Supply Chain for Critical Automotive Systems*

Alexander Kospach / Julian Bodory | Virtual Vehicle Research / Magna Powertrain: *Human Centered Energy Efficiency*

Mr. Gordon Witham | RWTH Aachen: *Renewable Energy Potentials and Implications for Mobility*

Dr. Klaus Kainrath | Magna Vehicle Engineering: *Ensuring Automotive Cybersecurity in a Connected Car*

Panel Discussion

15:00 – 15:30 **Closing Remarks & Poster Award**
Prof. Peter Prenninger & Dr. Astrid Wolfbeisser | A3PS: *Wrap Up Conference & Awarding*

Eco-Mobility 2025

Fostering Competitiveness of Vehicle Industry – From
Research to Application

Rethinking Propulsion.