Vienna Motor Symposium 2026

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Web Platform:

Vienna Motor Symposium 2026

47th International Vienna Motor Symposium 22 - 24 April 2026

Dear participants,

Welcome to the 47th International Vienna Motor Symposium, which will take place from 22 to 24 April 2026 at the Conference Centre Hofburg Vienna.

We look forward to your participation and would like to inform you below about the event:

Please find the **programme, exhibition plan** as well as **general information** on the following pages and space for your notes on the last pages.

We are pleased to present **67 lectures** in moderated sessions in **three lecture halls**, the "Festsaal", the "Zeremoniensaal" and the "Galerie". Further **28 in-depth video lectures** will be available in „virtual sessions" on the web platform during and after the event.

I am also delighted to announce **a high-profile partnership of ÖVK with China SAE**. This "**Forum on Powertrain for Sustainable Mobility**" will take place on Wednesday, 22 April and brings together leading representatives from Chinese public organisations and companies with European representatives from OEMS and engineering suppliers.

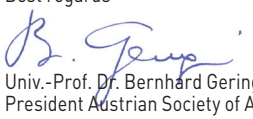
We are asking for your kind understanding that due to lack of space, only the speakers and not the co-authors are listed in the programme. The complete authors' information can be found on the Motor Symposium website.

An **exhibition** of well-known companies and organizations is to be found on the ground floor and first floor of the Conference Centre Vienna.

From **23 April 2026**, you will find on the **Motor Symposium web platform** all symposium documents, as well as the lecture recordings (available from 29 April 2026). At the **Speakers Corner** you may post questions to the speakers.
The login data to the symposium web platform you have already received by email. Please login at *http://vienna-motorsymposium.com*.

We wish you an exciting and interesting event as well as a pleasant stay in Vienna.

Best regards



Univ.-Prof. Dr. Bernhard Geringer
President Austrian Society of Automotive Engineers (ÖVK)

As of 26 March 2026

General Information

Technical Programme:

Wednesday, 22 April 2026, 15.30 – 18.45 hrs.
Thursday, 23 April 2026, 8.30 – 18.30 hrs.
Friday, 24 April 2026, 8.00 – 17.15 hrs.

Exhibition Opening Hours:

Wednesday, 22 April 2026, 15.30 – 21.00 hrs.
Thursday, 23 April 2026, 8.30 – 20.00 hrs.
Friday, 24 April 2026, 8.00 – 18.00 hrs.

The detailed lecture programme and exhibition plan you will find on the following pages.

Social/Optional Programme:

Reception and Opening of the Exhibition
Wednesday, 22 April 2026

18.00 hrs.	Start of Reception
18.45 hrs.	Opening Speech and Buffet Opening by Prof. Geringer Location: Please see Info-Screens
21.00 hrs.	End of Reception

"Mayor's Reception" hosted by the Mayor of Vienna
Please bring your invitation to the event.

Thursday, 23 April 2026

20.30 hrs.	City Hall Entrance: Lichtenfelsgasse 2, 1010 Vienna
20.00 hrs.	doors open

Tours
During the technical programme, we offer the accompanying persons two half-day tours.
For details and booking, please contact the registration counter.

Thursday, 23 April 2026, 9.00 – approx. 13.00 hrs.
Gustav Klimt and his contemporaries

Friday, 24 April 2026, 9.00 – approx. 13.00 hrs.
Sweet Vienna

Airport Buses

17.30 hrs.	Departure from entrance Conference Centre Hofburg to Vienna Airport (Schwechat)
18.15 hrs.	Approx. arrival at Vienna Airport

General Information

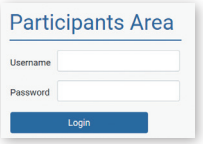
Café:

During the symposium you will find a Café in the exhibition area. This Café will be open all day during symposium hours.
Location: see exhibition plan

Web Platform:

All registered participants, speakers, students, and media representatives at the International Vienna Motor Symposium have full access to the Motor Symposium web platform via the participants area at
https://wiener-motorensymposium.at/en/participants-login

The access data for the login was sent to you via e-mail a few days prior to the event.



From the symposium onwards, you will find the following content on the web platform.

- Recording of the complete face-to-face lecture programme (from 29 April 2026)
- Videos of the lectures in the "Virtual Hall"
- Lecture texts
- CVs of the speakers
- Exhibitor information
- Networking option

Questions can be asked after each lecture directly via the web platform.

WLAN Access:

Please find below the login details for the free WLAN

Network: symposium2026
Password: symposium

Car Services

We would like to thank the following company for providing vehicles and drivers during the symposium:

PORSCHE
AUSTRIA

Student Registrations

We would like to thank the following companies for paying the registration fees for selected students according to a strict performance procedure:

EMITEC TECHNOLOGIES

KS ENGINEERS

MAGNA

PORSCHE
AUSTRIA

Forum "Powertrain for Sustainable Mobility"

Vienna Motor Symposium 2026

in cooperation with

CHINA SAE

We are pleased to announce a high-profile cooperation with **China SAE** on the occasion of the **Vienna Motor Symposium 2026**.

Five presentations and a panel discussion will highlight the growing importance of international dialogue for a sustainable automotive technology with focus on technology openness.

The aim is to openly discuss different technological approaches, market strategies, and regulatory frameworks, to learn from each other, and to integrate these into their own strategies.

WEDNESDAY, 22 APRIL 2026, GALERIE

FORUM ON POWERTRAIN FOR SUSTAINABLE MOBILITY

Chairmen: Prof. X. **Xu**, Beihang University, China SAE
Prof. U. **Grebe**, TU Wien

15:30 – 15:40

Welcome Address
Bernhard **Geringer**, Austrian Society of Automotive Engineers (ÖVK)
Fushen **Hou**, China Society of Automotive Engineers

15:40 – 16:05

Xiangyang **Xu**, Professor of Beihang University, Fellow of China SAE, Chair of Roadmap 3.0 Powertrain Group:
Energy-Saving and New Energy Vehicle Technology Roadmap 3.0-High-Efficient Powertrain Special Topic Interpretation

16:05 – 16:30

Stephan **Neugebauer**, BMW AG, Chair of European Road Transport Research Advisory Council (ERTRAC):
Technology Neutrality – a Prerequisite for Sustainability and Resilience

16:30 – 16:55

Yongqing **Zhu**, Chief Engineer, Power and Chassis R&D Center, Great Wall Motor (GWM):
GWM Hi4: ONE Power Scalability Design – Bridging Off-Road Capability and Urban Mobility

16:55 – 17:20

Lukas **Walter**, Chief Operating Officer (COO), Engineering, AVL List GmbH:
Powertrains for Sustainable Mobility: "One Fits All" or Market Specific Solutions?

17:20 – 17:45

Guiqiang **Zhang**, Senior Director of the Range Extender System Department, Shanghai Lixiang Automobile Co., Ltd.
Li Auto's All-New Range Extender

17:45 – 18:45

Panel Discussion
Comparison of China-Europe Automotive Technology Routes under the Goal of Sustainable Development, European Market Layout Strategies of Chinese Enterprises, and Battery Supply Chain and Technological Development.
All Speakers and Ruiping **Wang**, Senior Vice President, Geely Auto

THURSDAY, 23 April 2026, Morning

	FESTSAAL	ZEREMONIENSAAL	GALERIE
	PLENARY OPENING SESSION Chairman: B. **Geringer**, ÖVK	Plenary Opening Session at FESTSAAL Live Broadcast at GALERIE	LIVE BROADCAST of the Plenary Opening Session
08:30	**OFFICIAL OPENING**		
08:45	Stefan **Pischinger**, Chairman of the Shareholders´ Board, FEV, Aachen, Head of Institute, Chair of Thermodynamics of Mobile Energy Conversion Systems, RWTH Aachen University: **Future of Powertrain under Consideration of CO_2 Fleet Targets**		
09:05	Niklas **Klingenberg**, Member of the Executive Board of TRATON SE, Head of Group R&D, Södertälje: **The Future of TRATON's Powertrain in a Changing Global Environment**		
09:25	Donghee **Han**, Executive Vice President Electrified Propulsion Dev. Tech. Unit R&D Division, Hyundai Motor Group, Seoul, Korea: **Reinventing Powertrain of Hyundai: Driven by Legacy, Innovating with Humility**		
09:45	Ruiping **Wang**, Senior Vice President, Geely Auto, China: **Powertrain Innovation & Transformation**		
10:05	**Discussion of the lectures in this session**		
10:35	**Coffee Break**		

	HYBRID POWERTRAINS Chairman: U. **Grebe**, TU Wien	SUSTAINABLE MOBILITY Chairman: W. **Böhme**, ÖVK	LEGISLATION AND SOLUTIONS Chairman: C. **Beidl**, Technical University of Darmstadt
11:15	**48% BTE on a Lambda=1 SI Engine – a Breakthrough for Range Extenders** P. **Kapus**, AVL List GmbH, Graz	**Intelligent Sector Coupling – Honda's Way towards Climate Neutrality in 2050** M. **Fischer**, Honda R&D Europe (Deutschland) GmbH, Offenbach	**Vehicle Emissions in Real-World Driving – a Positive Development** K. **Weller**, Forschungsgesellschaft für Verbrennungskraftmaschinen und Thermodynamik mbH, Graz
11:45	**Development of a Next-Generation Hybrid System for PHEVs** M. **Tomita**, Toyota Motor Corporation, Aichi, Japan	**Electrification AND Renewable Fuels for Low-Carbon Mobility** A. **Kolbeck**, Shell Deutschland GmbH, Hamburg	**Emission Stability in Nonroad Engines: Legislative Requirements and Manufacturer Challenge** T. **Herrmann**, P. **Ochsenkühn**, MAN Truck & Bus SE, Nuremberg
12:15	**The All-New Volkswagen HYBRID** J. **Theobald**, Volkswagen AG, Wolfsburg	**Carbon Footprint of Hydrogen Vehicles: Impact of Storage Technologies Comparing ICE, BEV, FCEV and H_2ICE** S. C. **Konradt**, Chair of Energy Conversion Systems for Mobile Applications, Otto von Guericke University Magdeburg	**Requirements and Solutions for Exhaust Systems for Range Extenders with regard to China 7 Legislation** R. **Brück**, Emitec Technologies GmbH, Lohmar
12:45	**Lunch at Hofburg Conference Centre**		

THURSDAY, 23 April 2026, Afternoon

	BATTERY ELECTRIC DRIVES Chairman: B. **Geringer**, ÖVK	INNOVATIVE COMBUSTION PROCESSES Chairman: S. **Pischinger**, RWTH Aachen University	HYDROGEN POWERTRAINS & HYDROGEN STORAGE Chairman: H. **Eichlseder**, Graz University of Technology
14:30	**Development and Application of a High Efficiency EDU – >94% Average Cycle Efficiency and Cost-Effective Drive Train** X. **Gao**, Chery Automobile Ltd., Wuhu, China; G. **Meister**, AVL List GmbH, Graz	**Comparative Analysis of Passive and Active Pre-Chamber Ignition Systems for Enhanced Efficiency in Spark Ignition Engines** M. **Korkmaz**, Champion Ignition, Förnitztal	**Next Generation Fuel Cell Stack Technology Enables TCO Breakthrough for Heavy-Duty Truck Applications** T. **Braun**, cellcentric GmbH & Co. KG, Kirchheim u. Teck
15:00	**High-Voltage Batteries for the Gen6: Setting New Standards in Efficiency, Integration, and In-House Development** G. **Schmitz**, BMW AG, Munich	**Bosch Passive Pre-Chamber Spark Plug Technology for Gasoline Engine Powertrains** E. **Schünemann**, Robert Bosch GmbH, Stuttgart	**Hydrogen Engine: Emission and Transient Assessment in a System Approach** S. **Bareiss**, Robert Bosch GmbH, Stuttgart
15:30	**Battery Technology of the New All-Electric Porsche Cayenne** B. **Passenberg**, Dr. Ing. h.c. F. Porsche AG, Weissach	**Future Gaseous Fuels: Latest Developments in Injection, Ignition and Combustion** G. **Dober**, PHINIA, Luxembourg	**Experimental and Simulation-Based Investigation of Combustion Anomalies in H_2 Combustion Engines and their Effects on Transient Engine Operation** P. **Christoforetti**, Institute of Thermodynamics and Sustainable Propulsion Systems, Graz University of Technology
16:00	**Top Efficiency in the A0 Segment – the New Powertrain of the ID. Polo** N. **Gerhardt**, Volkswagen AG, Wolfsburg	**Evaluation of Diesel and Ethanol in a Compression Ignition Engine with Glow Plug Support** A. **Ferrarese**, Tupy S.A., Joinville, Brazil	**Liquid Hydrogen Storage: from Truck to Track – and Vice Versa** J. **Hergott**, Forvia, Bavans
16:30	**Coffee Break**		

	ELECTRIFIED DRIVE SYSTEMS – POWERTRAIN TRANSFORMATION Chairman: U. **Grebe**, TU Wien	ELECTRIC DRIVE COMPONENTS Chairman: G. **Brasseur**, Austrian Academy of Sciences	ALTERNATIVE FUELS Chairman: A. **Kulzer**, University of Stuttgart
17:00	**Innovative Combustion Engines, Mild Hybridization and Plug-In Hybrids – the Platform Strategy for Combustion Engine Powertrains by AUDI AG** M. **Honzen**, AUDI AG, Neckarsulm	**Navigating Changes in EV Market with EESM and REEV Innovation** D. **Fulton**, BorgWarner Inc., Kokomo, USA	**Contributing to the Environment with Internal Combustion Engines towards Carbon Neutrality – The Experimental Confirmation of Negative CO_2 and Exhaust Gas Emissions** H. **Yamashita**, Mazda Motor Corporation, Hiroshima, Japan
17:30	**The New Mercedes-Benz Powertrain Initiative: Shaping the Future with Electrified Drive Systems** O. **Vollrath**, Mercedes-Benz AG, Stuttgart	**Leveraging High-Speed Electric Motor Technology, for Differentiated Commercial Vehicle Beam Axle** A. **Bouaita**, Garrett Advancing Motion, Switzerland	**e-Methanol Engine for Flexible Fuel Vehicle** C. **Bae**, KAIST, Daejeon, Korea
18:00	**The Volkswagen Golf GTI EDITION 50 – Highlights from 50 Years of Chassis and Powertrain Development** S. **Willmann**, Volkswagen AG, Wolfsburg	**Accelerating Innovation: In-Wheel Motor Development for High Performance Application in Compressed Timelines** R. **Ford**, Protean Electric Ltd, Surrey	**Highly Efficient Ammonia Combustion System for CO_2-Reduced Propulsion in Commercial Applications** M. **Thewes**, FEV, Aachen
18:30	**End of Programme**		
20:30	**"Mayor's Reception" at the City Hall hosted by the Mayor of Vienna. Please bring your invitation.**		

FRIDAY, 24 April 2026, Morning

	NEW INTERNAL COMBUSTION ENGINES Chairman: S. **Pischinger**, RWTH Aachen University	HYBRID TRANSMISSIONS – RANGE EXTENDER Chairman: A. **Kulzer**, University of Stuttgart	BATTERY THERMAL MANAGEMENT Chairman: P. **Hofmann**, TU Wien
08:00	**The New Aurobay Technologies 1.5L Gasoline Engine Platform Dedicated Designed for Hybrid Electric Vehicles** G. **Liu**, Aurobay (Ningbo) Intelligent Technology Co., Ltd., Ningbo, China	**The Multi-Mode Hybrid Transmission – the Flexible Powertrain for FHEV, PHEV, and REEV Platforms** T. **Eckenfels**, Schaeffler Automotive Buehl GmbH & Co. KG, Bühl	**Innovative Thermal Management to Improve EV Battery Performance** V. **Null**, Shell Global Solutions (Deutschland) GmbH, Hamburg
08:30	**The New Audi V6 TDI – Modern TDI Engine Technology in Combination with a Powerful Hybrid Drivetrain** F. **Kremer**, AUDI AG, Neckarsulm	**Horse Powertrain Dedicated Hybrid Transmission Solution for Large PHEV Applications – DHT290** T. **Singh**, Aurobay (A division of Horse Powertrain), Ningbo, China	**Challenges in Thermal Management for Autonomous Vehicles Using the Example of the ID. Buzz AD by Volkswagen Commercial Vehicles** E. **Friesen**, W. **Siebert**, Volkswagen Nutzfahrzeuge, Wolfsburg
09:00	**OM656 EVO: The Evolution of the Mercedes-Benz Inline Six-Cylinder Diesel Engine** S. **Humphrey**, Mercedes-Benz AG, Stuttgart	**REEV as a Flexible Addition to the Ramp-Up of Truck Electrification: Use Cases, Drive Concepts, and Future Technologies** T. **Lüdiger**, FEV, Aachen	**Co-Engineering and Performance Characteristics of a Direct-Cooled Battery Module for Electric Vehicles** R. **Pearson**, Castrol, Pangbourne
09:30	**Coffee Break**		

	HIGH-PERFORMANCE HYBRID POWERTRAINS Chairman: B. **Geringer**, ÖVK	HYDROGEN INTERNAL COMBUSTION ENGINES Chairman: H. **Eichlseder**, Graz University of Technology	SDV & TRANSFORMATION Chairman: L. **Eckstein**, RWTH Aachen University
10:00	**The New Mercedes-Benz V8 M177 Evo: An Evolution of the Top-End-Segment to Meet Future Emission Regulations and Performance Demands** R. **Weller**, Mercedes-Benz AG, Stuttgart	**Advancing H_2 HPDI to Zero Emissions and 60% Brake Thermal Efficiency: Insights from Simulation and Experiments** A. **Arnberger**, AVL List GmbH, Graz	**How SDV Enables a Multiple Technologies Plattform** F. **Schueppel**, S. **Koenig**, IAV GmbH, Berlin
10:30	**The Hybridized Bi-Turbo Six-Cylinder Boxer Engine of the New 911 Turbo S – the Most Powerful Production 911 of All Time** T. **Fruth**, Dr. Ing. h.c. F. Porsche AG, Weissach	**Cummins Heavy Duty H_2 ICE Development Progress** H. **Xu**, Cummins Inc, Columbus, USA	**Zonal Intelligence in Software-Defined Vehicles: 4SDV Architecture with Edge AI and NPU-Based Validation** H. **Karacali**, TTTech Auto, Izmir, Turkey
11:00	**From Vision to Velocity: Engineering a Bespoke V12 Hybrid Powertrain for Ultimate Performance** M. **Warth**, MAHLE International GmbH, Stuttgart	**Toyota New Hydrogen-Engine with High Reliability for Light Commercial Vehicle** T. **Sakuma**, Toyota Motor Corporation, Aichi, Japan	**„Copper Car"– Extremely Fast and Meaningful Software Regression Testing for the High-Voltage System of Electric Vehicles** H. **Hammerer**, AVL List GmbH, Graz
11:30	**Lamborghini Temerario GT3, Pure Racing Soul of a BiTurbo V8 Engine** D. **Bizzarri**, Automobili Lamborghini S.p.a., Italy	**China's Way to Meet CO_2 Neutrality for Commercial Vehicles by 2050 – H_2 as Complementary Propulsion Technology Powered by FAW** T. **Schatzberger**, FAW Austria R&D, Austria	**Industrial Transformation in the Automotive Sector: Strategies and Success Factors Using the Example of iwis mobility systems** K. **Arens**, iwis mobility systems GmbH & Co. KG, Munich
12:00	**Lunch at Hofburg Conference Centre**		

FRIDAY, 24 April 2026, Afternoon

	BATTERY ELECTRIC VEHICLES Chairman: C. **Beidl**, Technical University of Darmstadt	RANGE EXTENDER Chairman: P. **Hofmann**, TU Wien	CHARGING SYSTEMS Chairman: G. **Brasseur**, Austrian Academy of Sciences
13:30	**Development of New BEV Powertrain System with Clear Benefits for the Customer** T. **Nishihara**, Toyota Motor Corporation, Aichi, Japan	**Horse C15 Range Extender: An Ultra-Compact, Modular and Configurable Architecture for Real-World Electric Mobility** G. **Tuffier**, Horse Powertrain, Ltd., Madrid	**Powder Metallurgy in eMobility for High-Speed MW Charging and HV Electronics Cooling** M. **Pohn**, Miba Sinter Austria GmbH, Vorchdorf
14:00	**Performance Meets Efficiency – The Next Generation of High-Performance Electric Drives at Porsche** C. **Hauck**, Dr. Ing. h.c. F. Porsche AG, Weissach	**Direct-Drive In-Wheel Motors: Transforming EV Performance with Astemo's Innovation** A. **Takahashi**, Astemo, Ltd, Hitachinaka, Japan	**Charging like Fueling – Strategies, Technologies and Limits of High-Performance Charging** M. **Hackmann**, P3 automotive GmbH, Stuttgart
14:30	**Next Level Electric Drive – the New Drive Technology of the Mercedes-Benz EQS** M. **Weiss**, Mercedes-Benz AG, Stuttgart	**REEVing up – Solutions for Minimum Package and Maximum Emotion** M. **Sens**, IAV GmbH, Berlin	**Automated Charging as a Key Technology for Smart Grids: Opportunities of Vehicle-to-Grid Using the Example of Matrix Charging®** G. **Eckhard**, Easelink GmbH, Graz
15:00	**Coffee Break**		

PLENARY CLOSING SESSION

Chairman: H. **Eichlseder**,
Graz University of Technology

15:30 Philippe **Krief**,
CEO, Société des Automobiles Alpine SAS, Dieppe:
Alpine Future Line Up: How to Make a True Electric Sports Car

15:50 Matthias **Zink**,
CEO Powertrain & Chassis, Schaeffler AG & President of CLEPA:
Europe at a Crossroads – Turning Global Challenges into Opportunities

16:10 Frank **Blome**,
Chief Executive Officer, PowerCo SE, Salzgitter:
The European Battery Tech Driver – PowerCo

16:30 **Discussion of the lectures in this session**

17:00 **CLOSING ADDRESS**
B. **Geringer**, ÖVK
H. **Eichlseder**, Graz University of Technology

Plenary Closing Session at FESTSAAL

Live Broadcast at GALERIE

LIVE BROADCAST of the Plenary Closing Session

17:15 **End of Programme**

17:30 **Bus Transfer** from Heldenplatz (Hofburg Conference Centre) to Vienna Airport (Schwechat)

Virtual Hall

Due to the large number of interesting and high-quality submissions, we are pleased to be able to present further videos in a virtual hall. These videos are only available to the participants online on the web platform during and after the Motor Symposium in addition to the lectures in three lecture halls in the Vienna Hofburg.

ELECTRIC DRIVES AND COMPONENTS

Student-Led Inverter Development – A New Approach to E-Mobility at HTL St. Pölten
S. **Maxl**, Höhere Technische Lehranstalt St. Pölten;
D. **Asch-Goiser**, LeTTo GmbH, St. Pölten

A Study on Improving Energy Efficiency of xEV Vehicles Using Reinforcement Learning
T. W. **Yoon**, Hyundai Motor Company, Hwaseong, Korea

Next Generation of Ultra-High-Strength Fasteners: Highest Safety in Corrosive Environment for Automotive Applications
F. **Heine**, KAMAX Automotive GmbH, Homberg (Ohm)

A Study on a Water-Cooled Battery Thermal Management Module with a Coolant Mixing Method
K. **Yoshiya**, MIKUNI CORPORATION, Tokyo, Japan

From ICE to BEV: Evolving Integrated Thermal Management Modules for Future Vehicle Architectures
A. **Savi**, Saleri TMS Competence Center GmbH, Munich

ELECTRIC ENERGY STORAGES AND CHARGING TECHNOLOGIES

Resource-Efficient Battery Management for Bidirectional Charging Using a Modular Multilevel Converter Topology
J. **Radtke**, Capgemini, Munich

Next-Gen Packs: NoTP Cell Integration with High System Energy Density
P. **Hermann**, Farasis Energy Europe, Frickenhausen

Key Enablers for Commercial Superfast Charging Battery Cells
S. **Beschnitt**, FEV, Aachen

COMBUSTION ENGINE DRIVES AND THEIR COMPONENTS/HYBRIDS

Dedicated Lubricants for Hydrogen Engines – Innovation for Zero-Emission Powertrain
T. **Maulbetsch**, D. **Stern**, FUCHS LUBRICANTS GERMANY GmbH, Mannheim

Development of a Supervised Learning-Based Vehicle Behavior Prediction Model Using Machine Learning Regression Techniques
H. **Lee**, Hyundai Motor Company, Hwaseong, Korea

Experimental and Numerical Investigations of the Combined Injection and Ignition System HydroFit for a Hydrogen-Powered Gas Engine
K. **Pöhlmann**, IAVF Antriebstechnik GmbH, Karlsruhe

Innovative Gas Injection: How the Dual Mode Injector Transforms Truck Engine Performance
O. **Weber**, Schaeffler AG, Herzogenaurach

Analysis of Physical Phenomena and Comprehensive Considerations in the Mixture Formation Process of Hydrogen Direct Injection Engines
S. **Tanno**, Toyota Motor Corporation, Aichi, Japan

NiCrCo Superalloys for the Next Generation of Turbochargers Operating at High Exhaust Gas Temperatures in Highly Efficient Internal Combustion Engines
D. **Petrell**, VDM Metals International GmbH, Altena

RENEWABLE ENERGIES AND STORAGE

Decarbonization: Technical Pathways for Ammonia-Powered Mobility
M. **Frauscher**, AC2T research GmbH, Wiener Neustadt

Accelerating Fuel Cell Stack End-of-Line Testing with Machine Learning: Early Failure Detection and Cost Savings in Production
S. **Strelnikov**, Acerta Analytics, Kitchener, Canada

Fuel Tank Systems & Energy Storage for Long-Range PHEVs and Range Extenders: Unique Technical Features, AI-Assisted Validation, and System Expertise for Future Powertrains
B. **Lüddecke**, KAUTEX TEXTRON GMBH & CO. KG, Bonn

Mobile 700 bar Hydrogen Refuelling and Onboard Pressure Retention Using a Hydraulic Liquid-Piston Concept
S. **Schwarcz**, C. **Nagl**, MAT Energy Systems GmbH, Vienna

Hydrogen as an Energy Storage Technology and a Strategic Competitive Factor
L. **Rainer**, MAT Energy Systems GmbH, Vienna

Liquid Hydrogen Fuel Storage Tanks – a Safe Concept for the Future: Insight into Validation and Homologation
M. **Eiböck**, A. **Gaugl**, SAG New Technologies GmbH, Lend

LEGAL FRAMEWORK: CO_2, TOXIC EMISSIONS REDUCTION

Comparative Measurement of CO_2 Emissions from Road Transport
H. **Pechová**, Faculty of Mechanical Engineering,
J. E. Purkyne University, Plzen

Cradle-to-Grave Assessment of European Passenger Car Traffic Based on Actual Vehicle Movements and Derivation of Future Forecasts for Minimising Greenhouse Gas Emissions
G. **Lischka**, Institute of Powertrain and Automotive Technology, TU Wien

NEW VEHICLE AND MOBILITY CONCEPTS/SOFTWARE DEFINED VEHICLE SDV/ADAS

Can Centralized SDV Architectures Deliver Safer, Smarter ADAS?
S. **Mohammed**, Akkodis Germany GmbH, Sindelfingen

Smart Data for Smart Driving: Accelerating ADAS Safety through Targeted and Adaptive Scenario Generation
L. **Schroven**, N. **Worzyk**, Capgemini Engineering, Düsseldorf/ Hamburg

Establishing a Sustainable Data Ecosystem in the Automotive Sector
D. **Deimel**, ÖAMTC, Vienna

INDUSTRIAL TRANSFORMATION/STRUCTURAL CHANGE IN THE AUTOMOTIVE INDUSTRY/PRODUCTION & MARKETS

Production 4.0: Digitalization in Manufacturing Technology – How Digitalization and Advanced Forming Technology Unite Precision, Efficiency, and Sustainability
O. **Ambros**, baier & michels GmbH & Co. KG, Ober-Ramstad

Requirements Engineering & AI-Powered Product Development of Electric Powertrains
M. **Hofstetter**, Institute of Automotive Engineering, Graz University of Technology

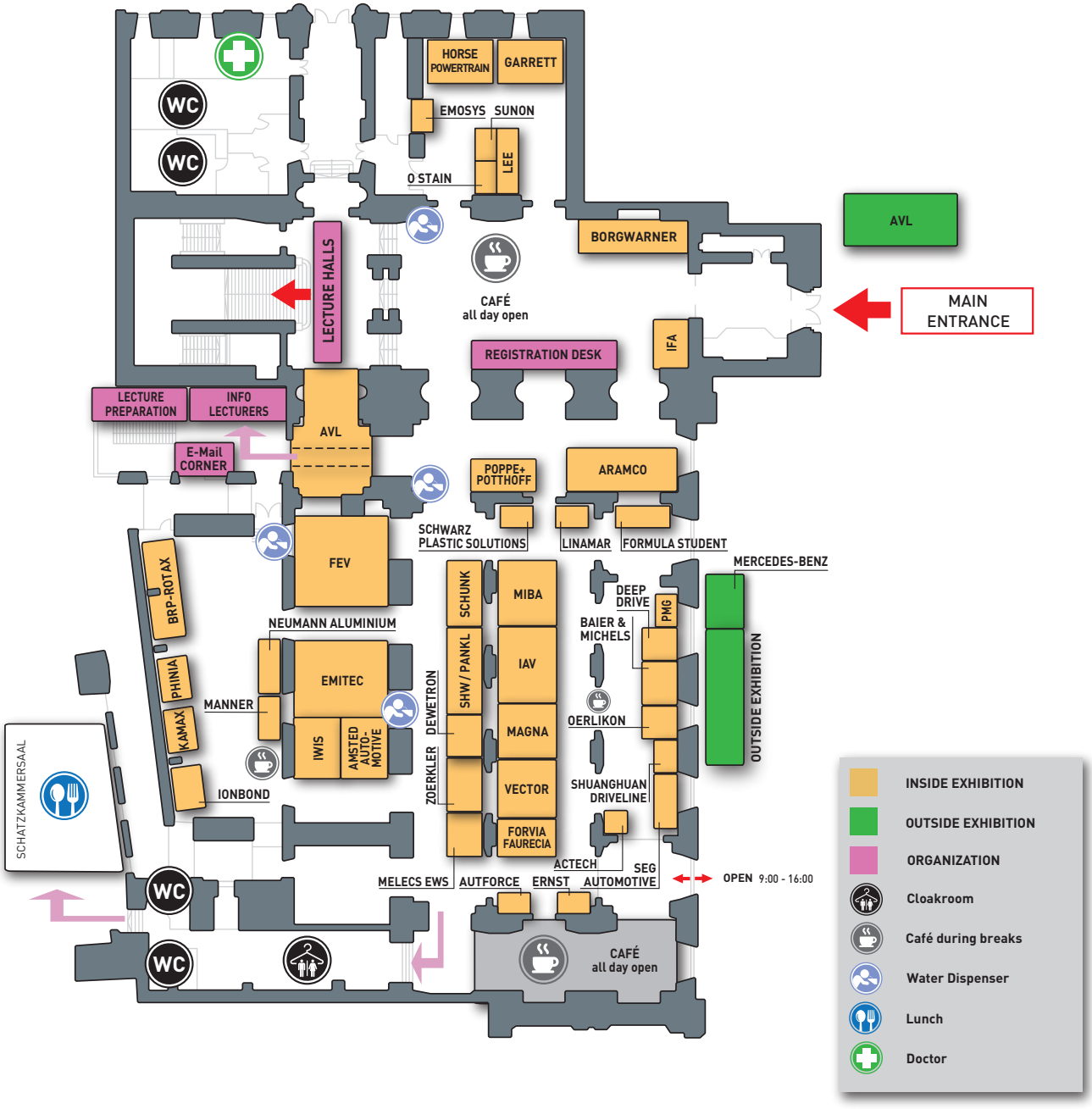
The Traditional Industries Dilemma with Disruptive Innovations
W. **Tillmetz**, Ulm University

Exhibition

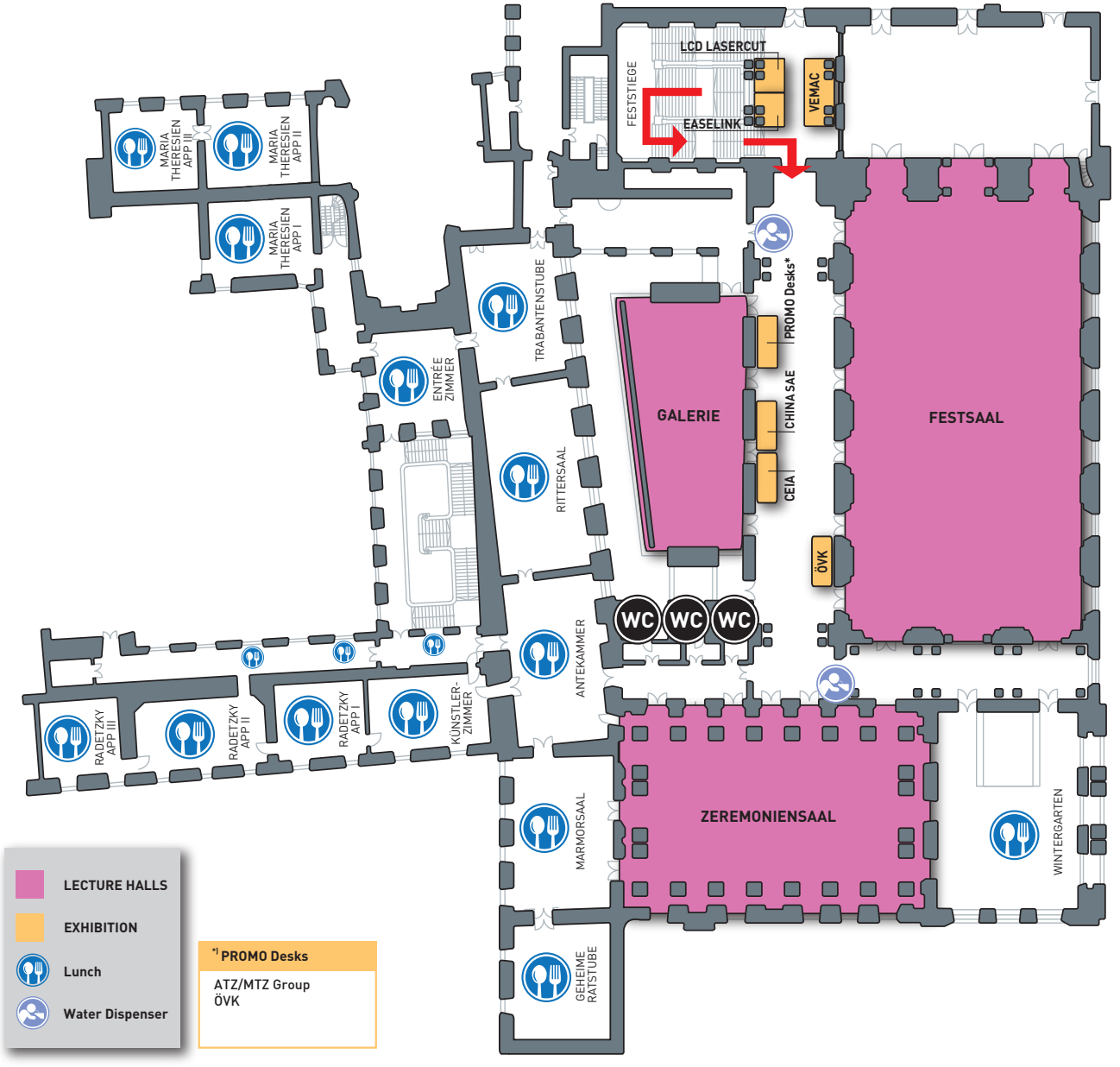
We are pleased about the large number of exhibiting companies at this year's symposium. Please find on the following pages the exhibition plan.

ACTech GmbH
Amsted Automotive
Aramco
ATZ|MTZ-Group
AUTFORCE Automations GmbH
AVL List GmbH
baier & michels GmbH & Co. KG
BorgWarner
BRP-Rotax GmbH & Co KG
Ceia Induktion GmbH
China Society of Automotive Engineers (China-SAE)
DeepDrive GmbH
DEWETRON GmbH
Easelink
Emitec Technologies GmbH
eMoSys GmbH
Ernst Umformtechnik GmbH
FEV
Formula Student (TU Wien | Joanneum Graz | Os.Car Wien | JKU Linz | Campus Tirol Motorsport | TU Graz)
FORVIA Faurecia
Garrett Motion
Horse Powertrain Ltd.
IAV GmbH
Institut für Fahrzeugantriebe und Automobiltechnik (IFA)
Ionbond Netherland B.V.
iwis mobility systems GmbH & Co. KG
KAMAX Automotive GmbH
LCD LaserCut AG
LEE Hydraulische Miniaturkomponenten GmbH
Linamar Corporation
Magna Powertrain GmbH & Co KG
MANNER Sensortelemetrie GmbH
Melecs EWS GmbH
Mercedes-Benz AG
Miba Gruppe
Neuman Aluminium Fließpresswerk GmbH
Oerlikon
O-Stain Enterprises Co., Ltd.
Österreichischer Verein für Kraftfahrzeugtechnik (ÖVK)
PHINIA INC.
PMG Gruppe
Poppe + Potthoff GmbH
Schunk Carbon Technology GmbH
Schwarz Plastic Solutions GmbH
SEG Automotive Germany GmbH
Shuanghuan Driveline
SHW AG
SUNON Deutschland GmbH
Vector Austria GmbH
VEMAC GmbH & Co. KG
Zoerkler Gears GmbH & Co KG

Exhibition Plan Ground Floor



Exhibition Plan 1st Floor



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