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CONFERENCES ON VEHICLE AND POWERTRAIN DEVELOPMENT

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chassis.tech plus 2026

4 congresses in one event

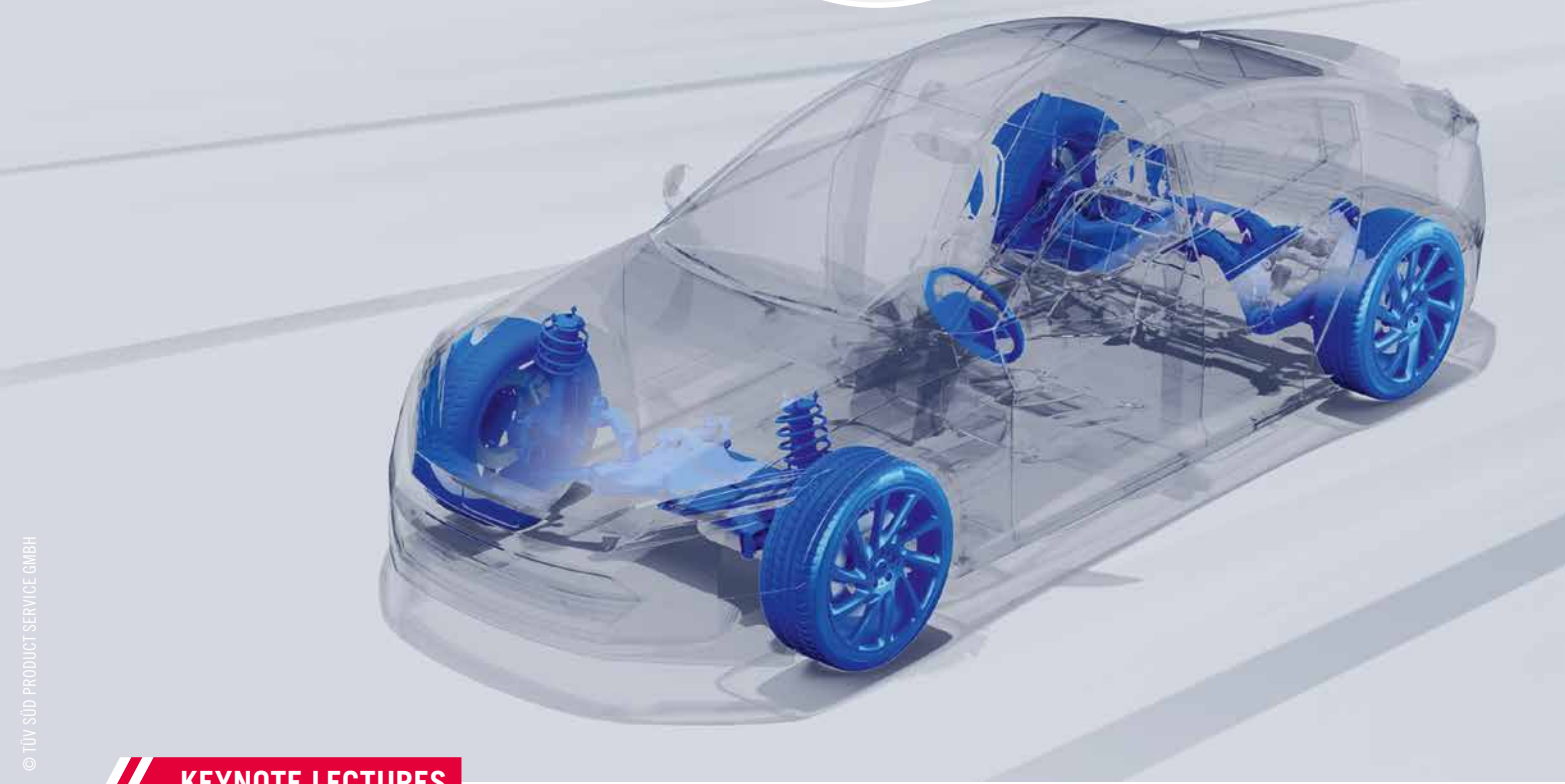
23 – 24 June 2026
Munich, Germany
or virtually via live stream

chassis.tech plus

chassis.tech
steering.tech
brake.tech
tire.wheel.tech

Hybrid event

Your choice:
Participate on site or virtually via live stream



KEYNOTE LECTURES

BMW AG / Hyundai Motor Group / Kempten University of Applied Sciences / Li Auto Inc. / Mercedes-Benz AG / Xiaomi EV Germany GmbH

TÜV SÜD

ONE FOR ALL
4 congresses in one event

chassis.tech plus
A holistic understanding of chassis integration into the car – closely interconnecting chassis development processes with the innovation areas of automated driving and electric mobility

Designing chassis components that are tailored to the vehicle – more intensive interlinking of components, modules, and systems

chassis.tech
Smart chassis solutions – using digital tools, simulators, and testing in a targeted manner to improve driving characteristics

steering.tech
Modern steering systems – creating compact and adaptive solutions for intuitive steering behavior, steer-by-wire, redundancy, and functional safety

brake.tech
Future-proof braking technologies – integrating brake-by-wire, recuperation, and Euro 7 conformity into an environmentally friendly development process

tire.wheel.tech
Innovative tires and wheels – optimizing development processes for dynamic performance and safe mobility

17TH INTERNATIONAL MUNICH CHASSIS SYMPOSIUM

The choice is yours: attend on site or virtually via live streams of all sessions.

Prof. Dr. Peter E. Pfeffer
Hochschule München University of Applied Sciences
Scientific Director of the Symposium

Welcome

Two megatrends are impacting chassis systems in various ways. Both developments in automated driving and the electrification of the drive system are further advancing innovation in chassis technology. X-by-wire technologies, AI tools, and over-the-air updates will increasingly be used for this, also with the aim of creating the software-defined vehicle. Integrating the technology of suspension, steering, and braking systems into that of the vehicle as a whole will result in assistance systems that will further improve support for the driver. Future aspects such as sustainability, lightweight design, and the reduction of particulate emissions will be implemented in state-of-the-art products.

Development departments are accelerating the product design process by using artificial intelligence, innovative testing methods, and driving simulators. This is leading to numerous innovations in performance, driving enjoyment, usability, and ride comfort. At the same time, reliability, dynamics, quality, and efficiency will continue to form the basis for the next generation of intelligent chassis systems.

The 17th International Munich Chassis Symposium chassis.tech plus brings together numerous experts in suspension systems, steering, brakes, wheels/tires, and automated driving to enable them to expand their knowledge, exchange information, and take part in discussions.

You can look forward to six exciting keynote lectures, 50 specialist papers, and valuable contact with international industry leaders. We warmly welcome you to the symposium – either at the Bayerischer Hof in Munich or via our live stream – and hope you enjoy an inspiring event.

Stay at the cutting edge!

- Highly relevant technical papers presented by renowned speakers
- Networking in the international expert community
- Innovative products and services

One for all – 4 congresses in one event

The International Munich Chassis Symposium with its accompanying trade exhibition is the key worldwide meeting place for the chassis community in the fields of the chassis, steering, brakes, and tires/wheels.

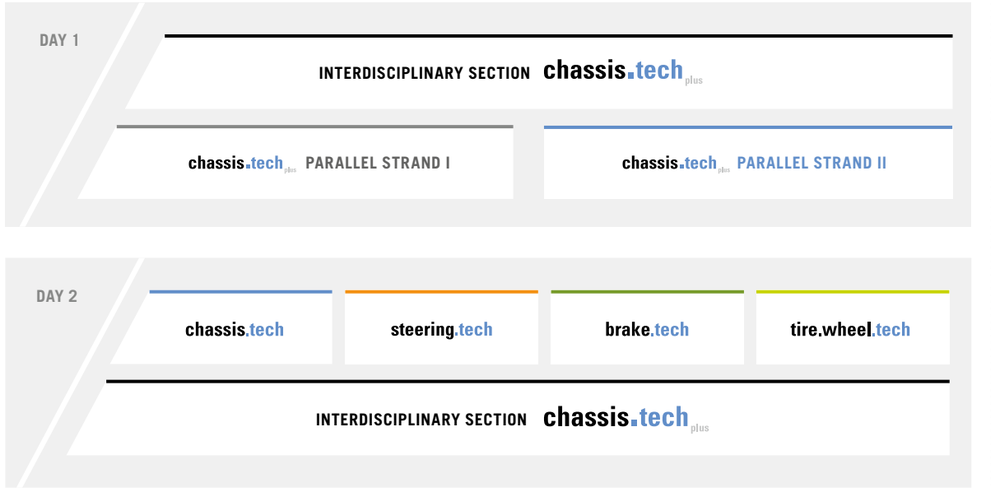
The 1st day will be taken up by the interdisciplinary section chassis.tech plus with keynote lectures in the morning and two parallel sessions of lectures in the afternoon.

The symposium will focus on overriding issues relating to vehicle dynamics and automated driving, before dividing up on the 2nd day into the following four parallel sections concentrating on the chassis, steering, brakes, and tires/wheels:

- chassis.tech
- brake.tech
- steering.tech
- tire.wheel.tech

In the afternoon, the parallel sections will merge together again for the interdisciplinary section chassis.tech plus with further keynote lectures.

The 2026 symposium features an interactive panel discussion with the title "In the age of automated driving: How important is the driving experience (still)?" and examines key technology and market trends that set the course for future chassis systems. The focus is on innovation to improve the driving experience and performance as well as opportunities and challenges in the growth markets of India and China. Other main topics include advances in steel, aluminum, and additive manufacturing. New development methods, automation, and AI will result in products with better performance and provide significant time savings.



Accompanying trade exhibition on both days

Accompanying exhibition

Throughout the entire conference, the accompanying exhibition will take place in the foyers on site and virtually in the digital event platform. Manufacturers and suppliers from the automotive industry will present innovative products and services in the field of chassis technology to the specialist audience.

Participants

- Manufacturers of passenger cars and commercial vehicles and their suppliers
- Development service providers
- Universities and research institutes
- Manufacturers of measuring, testing, and simulation systems
- Authorities, associations, and testing institutes

chassis.tech plus 2026 as a hybrid event

The choice is yours: attend on site or virtually via live streams

The streaming package includes the keynote lectures and all lectures of the two parallel strands on the 1st day as well as the four parallel sections on the 2nd day as live streams.

The digital event platform offers you

- Q&A feature in the live streams
- 1:1 video chats with attendees, exhibitors, and speakers
- live polls
- your personal program overview
- a virtual exhibition
- all available conference documents in one place for download
- as well as other useful functions

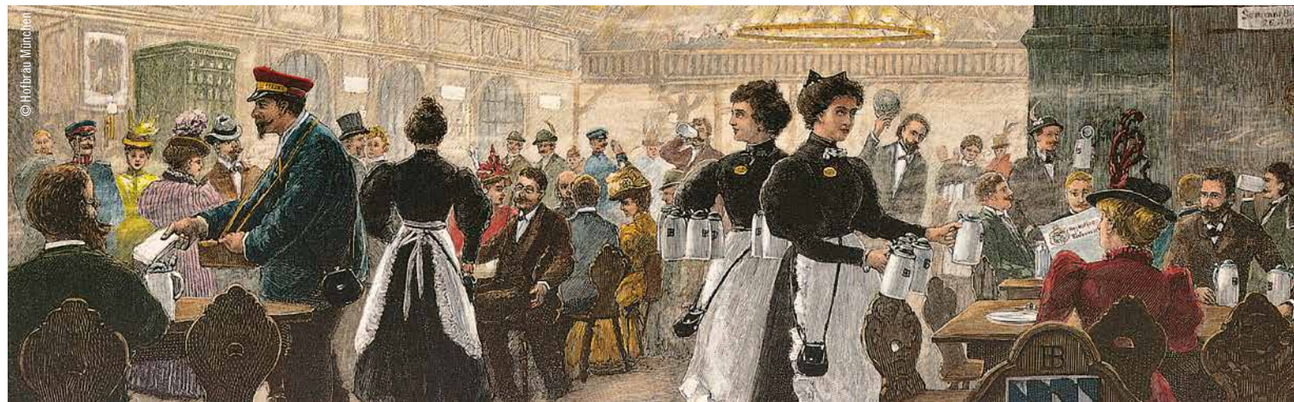
Evening reception in the banquet hall of the Hofbräukeller am Wiener Platz

Tuesday, 23 June 2026, from 6:30 p.m. at the Hofbräukeller, Innere Wiener Straße 19, 81667 Munich

Enjoy a cozy evening in one of the world's most famous breweries. We cordially invite you to an evening of Bavarian specialties. In addition to traditional delicacies and freshly tapped beer, you can look forward to lively conversations among experts and colleagues.

Hofbräu was founded in 1589, and since 1607, the traditional Hofbräukeller has been located on Munich's "Platzl" square. Hofbräu has been making history for 400 years, whether through its participation in the first Oktoberfest in 1810 or its state-of-the-art climate-friendly brewing facilities in Munich.

Look forward to a Bavarian evening in a welcoming atmosphere.



Prof. Dr. Peter E. Pfeffer
Hochschule München University of Applied Sciences

Scientific Director of the Symposium,
Head of chassis.tech plus section

Dr. Alexander Heintzel
Editor-in-Chief
ATZ | MTZ Group,
Springer Nature

Michael Reichenbach
Vice Editor-in-Chief ATZ,
Springer Nature

Our four Scientific Advisory Boards, which are made up of prominent experts in their respective fields, provide support during the planning phase of the conference and help to identify suitable topics.

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Martin Schwarz
BMW Group

Head of chassis.tech section

Klaus Baltruschat
TÜV SÜD Product Service GmbH

Prof. Dr. Lutz Eckstein
RWTH Aachen University

Kenneth Ekström
Volvo Car Corporation, Sweden

Dr. Christoph Elbers
ZF Group

Dr. Christian Hartweg
Opel Automobile GmbH

Prof. Hideo Inoue
Kanagawa Institute of Technology, Japan

Dr. Thomas Kersten
Volkswagen AG

Heinz Müllner
MAN Truck & Bus SE

Dr. Marcus Perner
IAV GmbH

Prof. Bernhard Schick
Kempten University of Applied Sciences

Timo Schöning
Hyundai Motor Europe Technical Center GmbH

steering.tech

Dr. Christoph Bittner
Dr. Ing. h. c. F. Porsche AG

Head of steering.tech section

Stéphane Cassar
ZF Group

Frank Esser
Ford-Werke GmbH

Dr. Robert Fuchs
JTEKT Corporation, Japan

Roland Greul
Robert Bosch Automotive Steering GmbH

Hans Joachim Kieserling
Mercedes-Benz AG

Tobias Linke
TRATON R&D Germany GmbH

Bertram Möller
Nexteer Automotive Germany GmbH

Prof. Dr. Manfred Plöchl
TU Vienna, Austria

Kristof Polmans
thyssenkrupp Presta AG, Liechtenstein

Dr. Matthias Schölzel
BMW Group

Dr. Yasuji Shibahata
Astemo, Ltd., Japan

Dr. Christian Strümpler
Joyson Safety Systems Aschaffenburg GmbH

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Alexander Gaedke
Robert Bosch GmbH

Head of brake.tech section

Moritz Bolay
Mercedes-Benz AG

Prof. Dr. Eberhard Drechsel
formerly Hochschule München University of Applied Sciences

Dr. Falk Hecker
Knorr-Bremse Commercial Vehicle Systems GmbH

Dennis John
TRATON R&D Germany GmbH

Prof. Dr. Giampiero Mastinu
Politecnico di Milano, Italy

Prof. Dr. Ralph Mayer
TU Chemnitz

Alexander Prahst
Dr. Ing. h.c. F. Porsche AG

Dr. Albert Schlecht
AUDI AG

Dr. Ralf Stroph
BMW Group

Prof. Dr. Rüdiger Tiemann
htw saar

Dr. Thorsten Ullrich
Aumovio Germany GmbH

tire.wheel.tech

Ralf Schweizer
AUDI AG

Head of tire.wheel.tech section

Stephane Bertoldi
Michelin Reifenwerke AG & Co. KGaA

Stefan Dittmar
TÜV SÜD Product Service GmbH

Ralf Duning
Maxion Wheels Holding GmbH

Dr. Michael Frey
Karlsruhe Institute of Technology (KIT)

Prof. Patrick Gruber
University of Surrey, UK

Klaus Krause
Hankook Tire & Technology Co., Ltd.

Prof. Dr. Günter Leister
tire.wheel.mobility solutions

Michael Staude
TÜV SÜD Product Service GmbH

Edwin van der Stad
Nexen Tire Europe s.r.o.

Prof. Dr. Andreas Wagner
University of Stuttgart

Prof. Dr. Burkhard Wies
Continental Reifen Deutschland GmbH

Prof. Dr. Makoto Yamakado
Kanagawa Institute of Technology, Japan

Keynote lectures

In their keynote lectures, renowned speakers from the industry will provide forward-looking insights that go beyond the technical contents and illuminate the current issues from many different perspectives. In this way, the lectures, with their international focus, will be particularly important as a trend barometer for the conference.

TUESDAY, 23-06-2026 / MORNING / FESTSAAL

KEYNOTE

09:30

Dr. Manfred Harrer,
Head of R&D Division / President, Hyundai Motor Group, South Korea

Genesis Magma – refined driving performance

KEYNOTE

11:10

(from l. to r.)
Prof. Bernhard Schick,
Head of Institute for Driver Assistance and Connected Mobility (IFM), Kempten University of Applied Sciences, and CEO, MdynamiX AG, Germany;
Prof. Dr. Uwe Stratmann,
Research Market and Customers, Institute for Driver Assistance and Connected Mobility (IFM), Kempten University of Applied Sciences, Germany

Customer satisfaction barometer for driver assistance systems – exploring the trade-off between function, trust, and acceptance

KEYNOTE

09:55

Ralph Michalski,
Senior Manager, Steering Systems Development, Mercedes-Benz AG, Germany

Development of steer-by-wire for the Mercedes-Benz EQS

KEYNOTE

11:35

Dr. Daniela Kern,
Senior Vice President Sensor Technology, Integration Control Units, Modular System for Automated Driving, BMW AG, Germany

Symbiotic Drive: driving dynamics meets next-gen ADAS

WEDNESDAY, 24-06-2026 / AFTERNOON / FESTSAAL

KEYNOTE

15:15

Dr. Keyan Liu,
Control Expert, Team Lead of Suspension Control Software Development, Li Auto Inc., China

Innovating at the core: Li Auto's chassis development evolution

KEYNOTE

15:45

Claus Groll,
Head of Vehicle Dynamics, Xiaomi EV Germany GmbH, Germany

The software-defined vehicle – adaptation from China to Europe

chassis.tech plus

08:00 **Registration at the check-in for on-site participants**

09:00 **Start of the live stream for virtual participants**

09:15 **Welcome and opening**
Dr. Alexander Heintzel, Editor-in-Chief ATZ | MTZ Group, Springer Nature;
Prof. Dr. Peter E. Pfeffer, Automotive Engineering,
Hochschule München University of Applied Sciences

09:30 – 10:20, CHASSIS.TECH PLUS SECTION – Festsaal

KEYNOTE LECTURES I

Moderation: Prof. Dr. Peter E. Pfeffer, Automotive Engineering,
Hochschule München University of Applied Sciences

09:30 KEYNOTE
Genesis Magma – refined driving performance
Dr. Manfred Harrer, Head of R&D Division / President, Hyundai Motor Group, South Korea

09:55 KEYNOTE
Development of steer-by-wire for the Mercedes-Benz EQS
Ralph Michalski, Senior Manager, Steering Systems Development, Mercedes-Benz AG [in cooperation with ZF Active Safety GmbH], Germany

10:20 Opening of the accompanying trade exhibition and refreshment break in the exhibition area

11:10 – 12:00, CHASSIS.TECH PLUS SECTION – Festsaal

KEYNOTE LECTURES II

Moderation: Prof. Dr. Peter E. Pfeffer, Automotive Engineering,
Hochschule München University of Applied Sciences

11:10 KEYNOTE
Customer satisfaction barometer for driver assistance systems – exploring the trade-off between function, trust, and acceptance
Prof. Bernhard Schick, Head of Institute for Driver Assistance and Connected Mobility (IFM), Kempten University of Applied Sciences, and CEO, MdynamiX AG, Germany;
Prof. Dr. Uwe Stratmann, Research Market and Customers, Institute for Driver Assistance and Connected Mobility (IFM), Kempten University of Applied Sciences, Germany

11:35 KEYNOTE
Symbiotic Drive: driving dynamics meets next gen ADAS
Dr. Daniela Kern, Senior Vice President Sensor Technology, Integration Control Units, Modular System for Automated Driving, BMW AG, Germany

12:00 – 12:45, CHASSIS.TECH PLUS SECTION – Festsaal

INTERACTIVE PANEL DISCUSSION:

In the age of automated driving: How important is the driving experience (still)?

Moderation: Prof. Dr. Peter E. Pfeffer, Automotive Engineering,
Hochschule München University of Applied Sciences;
Dr. Alexander Heintzel, Editor-in-Chief ATZ | MTZ Group, Springer Nature

12:45 Lunch in the exhibition area

PARALLEL STRAND I

14:00 – 15:30, PARALLEL STRAND I – Festsaal

MARKET AND TECHNOLOGY TRENDS

Moderation: Klaus Baltruschat, Head of Sales,
Strategic Account Manager, TÜV SÜD Product Service GmbH

14:00 **Automotive development in India: opportunities and challenges in this fastest growing market in the world**
Srinivasan Ramanathan, Managing Director,
Automotive Test Systems (ATS), India
[in cooperation with Anthony Best Dynamics Limited, UK; Applied Intuition, Inc., USA]

14:30 **Integration of chassis-by-wire components within emerging E/E architectures**
Patricio Barbale, Chassis Manager, S&P Global Mobility, Italy

15:00 **On the road to by-wire**
Dr. Hagen Kuckert, Product Area Owner
By-wire Brake Systems, Robert Bosch GmbH, Germany

PARALLEL STRAND II

14:00 – 15:30, PARALLEL STRAND II – Palaishalle

INNOVATIVE CHASSIS TECHNOLOGY

Moderation: Prof. Bernhard Schick,
Head of Institute for Driver Assistance and Connected Mobility (IFM),
Kempten University of Applied Sciences

14:00 **From concept to reality, on the way to develop a vehicle-applicable corner module for future mobility**
Hakyung Moon, Senior Research Engineer, Advanced Drive Concept Development Team, Hyundai Motor Company, South Korea

14:30 **E-axle integrated brakes – pollutant- and maintenance-free brakes for an electric traction system**
Dr. Kiarash Sabzewari, Head of Center of Competence Electric Machines & Drive Systems, Schaeffler AG, Germany

15:00 **Wide-scale steer-by-wire deployment to the B~C segment car market as a marker of specific brand identity**
Arnaud Dessirieix, Front Loading & Coordination Technical Centre Manager, JTEKT European Operations
[in cooperation with Stellantis], France

15:30 Refreshment break with coffee and tea in the exhibition area

16:00 – 18:00, PARALLEL STRAND I – Festsaal

NEXT-LEVEL SUSPENSION SYSTEMS

Moderation: Heinz Müllner, Senior Vice President Engineering Complete Vehicle Truck, Individual Truck & Special Vehicles, MAN Truck & Bus SE

16:00 **Dynamic Chassis Control pro – suspension control reaching the next level with dual valve technology**
Christoph Weber, Head of Vertical Dynamics Development, Volkswagen AG, Germany;
Pedro Armendariz, Technical Centre General Manager, KYB Europe GmbH, Germany

16:30 **Next-generation full active suspension: innovative electro-mechanical rotary system**
Kadir Oguzcan Ger, Senior Engineer, Engineering Design,
Lorenzo Falchi, Advanced Engineer, Virtual Vehicle Development, Hyundai Motor Europe Technical Center GmbH, Germany [in cooperation with Hyundai Motor Company, South Korea; Marelli Suspension Systems S.p.A., Italy]

17:00 **Analysis of suspension concepts for roll and heave decoupling with application to an FSA cage spring-damper system**
Prof. Dr. Thomas Schmitz, Professor, Institute of Vehicle Systems Engineering (IFS), Ulm Technical University of Applied Sciences, Germany [in cooperation with International Hellenic University, Greece]

17:30 **Beyond air suspension – the next-generation of adaptive off-road chassis control**
Boris Kirchner, Managing Director, TRE GmbH [in cooperation with HEMSCHEIDT Fahrwerktechnik GmbH & Co. KG], Germany

16:00 – 18:00, PARALLEL STRAND II – Palaishalle

STEEL, ALUMINUM, AND ADDITIVE MANUFACTURING BREAKTHROUGHS

Moderation: Dr. Marcus Perner, Senior Technical Consultant Intelligent Vehicle Motion and Safe Mobility, IAV GmbH

16:00 **Lightweight design of a BEV front subframe with a new steel grade dedicated to chassis components**
Malick Thiam, Research Engineer, Automotive Applications, ArcelorMittal, France

16:30 **New vehicle concepts require alternative chassis components**
Pascal Fischer, Senior Manager Gifhorn, TRE GmbH
[in cooperation with Hirschvogel Umformtechnik GmbH], Germany

17:00 **Enabling the potential of additive manufacturing for the next generation of mobility**
Silvia Cecchel, Innovation Engineer, Streparava S.p.A., Italy

17:30 **How to achieve a low CO_2 footprint in aluminum foundry alloys for chassis applications**
Leonhard Heusler, Customer Technical Support Foundry Alloys, Hydro Aluminium Deutschland GmbH
[in cooperation with Hydro Aluminium AS, Norway; Ronal GmbH], Germany

18:30 **Evening reception at the Hofbräukeller am Wiener Platz** NEW
Enjoy interesting conversations with colleagues and speakers in a pleasant atmosphere.

PROGRAM // WEDNESDAY, 24-06-2026 MORNING

chassis.tech

08:30 – 10:00, CHASSIS.TECH SECTION – Palaishalle

NEW DESIGN AND DEVELOPMENT METHODS

Moderation: Martin Schwarz, Head of Development Steering Gear Upper Midsize Class, Luxury Class, Rear Axle Steering, BMW Group

08:30 **Kinematic design of a drift vehicle through simulation of stability and controllability**
Kai Hergenröther, Research Associate, Institute for Automotive Engineering (ika), RWTH Aachen University, Germany

09:00 **Development of a chassis control system test environment using ViLS technology**
Dr. Yong-Sub Yi, Senior Research Engineer, Driving Performance Technology Team, Hyundai Motor Company, South Korea

09:30 **Holistic validation and test strategies, using the example of steer-by-wire systems**
Dr. Alexander Ahlert, Lead Consultant, Strategic Consulting & Engineering, IPG Automotive GmbH, Germany

steering.tech

08:30 – 10:00, STEERING.TECH SECTION – Festsaal

SAFETY AND RELIABILITY

Moderation: Dr. Christoph Bittner, Director Development Vehicle Dynamics Systems, Dr. Ing. h.c. F. Porsche AG

08:30 **ISO 19725 – a new standard for steer-by-wire systems**
Alexander Ein Waldt, Technical Expert Steering Systems, Ford-Werke GmbH, Germany

09:00 **Steer-by-wire safety concept incl. vehicle-level fallbacks for maximum safety and availability**
Andreas Beicht, Safety Expert Steer-by-Wire, Mercedes-Benz AG, Germany

09:30 **Prognostics for enhanced safety and reliability in steering systems**
Andrew Frank, Research Engineering Manager, Nexteer Automotive Corp., USA

brake.tech

08:30 – 10:00, BRAKE.TECH SECTION – Fürstensalon

NEW SYSTEMS AND ARCHITECTURES

Moderation: Dr. Thorsten Ullrich, Head of EWB System Engineering Core, Principal Expert Brake System Architecture and Technologies, Aumovio Germany GmbH

08:30 **Concept and system integration for an emission-free drive and brake module**
Lucca Melander Swindt, Development Engineer, Development Drive System, AUDI AG, Germany;
Andreas Promberger, Head of R&D, Miba Friction Group, Austria [in cooperation with Robert Bosch GmbH, Germany]

09:00 **In-wheel drive units with integrated brakes in real world operation: integration, NVH behavior, and vehicle dynamics characteristics of a Drive Brake Unit integrated into a Tesla Model 3**
Francesco Mondelli, Vehicle Integration Project Lead, DeepDrive GmbH [in cooperation with Aumovio AG], Germany

09:30 **Reactive dual-stage ABS: in-wheel motor high-frequency slip control and mechanical brake blending**
Tomaž Kompara, Vehicle Motion Control Team Lead, Elaphe Propulsion Technologies Ltd., Slovenia

tire.wheel.tech

08:30 – 10:00, TIRE.WHEEL.TECH SECTION – Königssaal

INNOVATION IN CONTROL AND SIMULATION

Moderation: Ralf Schweizer, Head of Development Wheels, Tires, Tire Pressure Monitoring Systems, AUDI AG

08:30 **Enhancing on-center feeling and straight-line stability simulation**
Anthony Kopec, Vehicle Simulation and Tire Modeling Engineer,
Frederic Spetler, Business Leader MICHELIN SIMIX Simulation Platform, Manufacture Française des Pneumatiques Michelin, France

09:00 **Friction-aware AEB: integrating tire intelligence for enhanced braking performance**
Dr. Seyed Amin Sajadi Alamdari, Senior Research Engineer, Tire Intelligence Department, The Goodyear Tire & Rubber Company, Luxembourg [in cooperation with Netherlands Organization for Applied Scientific Research (TNO), Netherlands]

09:30 **Tire road friction measurement unit for predictive estimation of traction behavior**
Timon Schlögl, Academic Researcher, Institute of Vehicle System Technology (FAST), Karlsruhe Institute of Technology (KIT) [in cooperation with Schaeffler Technologies AG & Co. KG], Germany

10:00 Refreshment break with coffee and tea in the exhibition area

chassis.tech

10:30 – 12:00, CHASSIS.TECH SECTION – Palaishalle

ARTIFICIAL INTELLIGENCE

Moderation: Dr. Daniel Wegener, Head of Chassis & NVH, fka GmbH

10:30 **Optimizing vehicle suspension design using AI**
Steve Miller, Simscape Product Manager, The MathWorks GmbH, Germany

11:00 **Hardware-aware deep reinforcement learning for scalable integrated chassis control**
Joshua Sneeden, Postgraduate Researcher, School of Engineering, University of Surrey, UK;
Demijan Jurić, Technical Expert Chassis & Driving Functions, AVL-AST d.o.o., Croatia [in cooperation with AVL List GmbH, Austria]

11:30 **Objectification of vehicle behavior in closed-loop driving maneuvers using AI driver models**
Dr. Tim Ahrenhold, Functional Developer Chassis Control Systems, IAV GmbH, Germany

steering.tech

10:30 – 12:00, STEERING.TECH SECTION – Festsaal

EVALUATION AND VALIDATION

Moderation: Bertram Möller, R&D Director EMEASA & Managing Director, Nexteer Automotive Germany GmbH

10:30 **Optimizing the shape of a new input device, considering the anatomical situation of elderly people**
Takafumi Ojio, Engineer, Next Generation Chassis System Department, Astemo, Ltd., Japan;
Masayoshi Kimura, Technical Manager, Research and Development, Astemo Europe GmbH, Germany

11:00 **Steering feel simulation for driver-in-the-loop applications**
Matthias Becker, Head of Technology, MdynamiX AG [in cooperation with Hochschule München University of Applied Sciences], Germany

11:30 **Fallback assessment of the new Mercedes-Benz steer-by-wire system with a vehicle dynamics cluster HiL**
Dr. Tobias Brenner, Vehicle Dynamics HiL Testing, Mercedes-Benz AG, Germany

brake.tech

10:30 – 12:00, BRAKE.TECH SECTION – Fürstensalon

BRAKE WEAR AND EMISSIONS

Moderation: Prof. Dr. Ralph Mayer, Head of Professorship Vehicle Systems Design, Institute for Automotive Research, Chemnitz University of Technology

10:30 **Brake emissions under control: from regulation to system-level solutions**
Bernd Grojer, Integration Engineer Brake Systems, AVL List GmbH, Austria

11:00 **Analysis of the sampling position with regard to PM10 transport efficiency in HDV brake emission tests**
Dr. Hartmut Niemann, Research Application Engineer, Link Engineering Company GmbH, Germany

11:30 **Enhancing chassis reliability and aftersales revenue through virtual sensors for tire and brake wear**
Christoph Loytved, Product Manager, COMPREDICT GmbH, Germany

tire.wheel.tech

10:30 – 12:00, TIRE.WHEEL.TECH SECTION – Königssaal

VIRTUAL SENSORS

Moderation: Prof. Patrick Gruber, Professor in Advanced Vehicle Systems Engineering, School of Mechanical Engineering Sciences, University of Surrey

10:30 **Next-generation chassis intelligence through virtual sensor technology**
Guillaume Desnouvaux, Product Manager Virtual Sensors, COMPREDICT GmbH, Germany

11:00 **Innovative virtual sensor for aquaplaning detection and tire wear estimation**
Dr. Luca Massano, Vehicle Dynamics Engineer, Easyrain i.S.p.A., Italy

11:30 **Robust virtual sensor technologies: from nonlinear optimization to physics-informed machine learning**
Dr. Jérémy Vayssettes, CTO – Michelin Tire Digital Twin, Manufacture Française des Pneumatiques Michelin [in cooperation with University of Poitiers], France

12:00 Lunch in the exhibition area

chassis.tech

13:15 – 14:45, CHASSIS.TECH SECTION – Palaishalle

DRIVING EXPERIENCE

Moderation: Timo Schöning, Head of Department Test, Hyundai Motor Europe Technical Center GmbH

13:15 Driving experience – best practice subjective evaluation process compliant to SAE J1441
Alessandro Contini, Doctoral Candidate, Institute of Mechanics and Mechatronics, TU Vienna, Austria [in cooperation with Hochschule München University of Applied Sciences; Kempten University of Applied Sciences; MdynamiX AG, Germany]

13:45 Digital vehicle dynamics
Dr. Volker Ewald, Expert Chassis Software, Lotus Tech Innovation Centre GmbH, Germany

14:15 Driving dynamics evaluation of structural stiffnesses using Adams Real Time on a driving simulator
Dr. Andreas Apel, Head, Virtual Design & Validation Vehicle Dynamics – Chassis Systems Development, Volkswagen AG [in cooperation with VI-grade GmbH], Germany

steering.tech

13:15 – 14:45, STEERING.TECH SECTION – Festsaal

NEW PRODUCTS AND INNOVATIONS

Moderation: Kristof Polmans, Vice President Research & Advanced Development, thyssenkrupp Presta AG

13:15 Tandem pinion electric power steering
Dr. Mateusz Cielniak, Senior Product Development Engineer, Nexteer Automotive Poland Sp. z o.o., Poland

13:45 Preparing a direct drive force-feedback actuator with MR technology for mass production
Fabian Dreyer, Technical Project Manager Hand-Wheel Actuator, Schaeffler Technologies AG & Co. KG; Günter Hofer, Manager Simulation, Schaeffler Automotive Buehl GmbH & Co. KG, Germany

14:15 Knorr-Bremse EPS – first high-volume EPS for heavy-duty commercial vehicles in the market
Jörg Eigenmann, Director R&D Steering Global, Tobias Edel, Manager Electric Power Steering, Knorr-Bremse Commercial Vehicle Systems GmbH, Germany

brake.tech

13:15 – 14:45, BRAKE.TECH SECTION – Fürstensalon

VIRTUAL DEVELOPMENT AND ELECTRO-MECHANICAL BRAKE SOLUTIONS

Moderation: Dr. Falk Hecker, Vice President Engineering Brake Control, Knorr-Bremse Commercial Vehicle Systems GmbH

13:15 Method to compare the reliability of hydraulic brake systems vs dry brake systems
Martin Baechle, Head of Electric Wheel Brake System Engineering, Aumovio Germany GmbH, Germany

13:45 Development of an integrated virtual vehicle and brake control unit model for Euro NCAP VTA
Bonghyun Kwon, Senior Research Engineer, Development Data Management Team, Hyundai Motor Company, South Korea

14:15 The development and volume production of a full EMB system
Dr. Yongbin Yuan, CEO, Bethel Automotive Safety Systems Co., Ltd., China

tire.wheel.tech

13:15 – 14:45, TIRE.WHEEL.TECH SECTION – Königssaal

TIRE EVALUATION AND RIM DESIGN

Moderation: Stefan Dittmar, Head of Wheels, TÜV SÜD Product Service GmbH

13:15 Tire performance target definition through CDTire and DiL for enhanced vehicle dynamics development
Joan Monill Badell, Vehicle Dynamics Engineer, Applus IDIADA Group, Spain [in cooperation with Mahindra & Mahindra Ltd., India; Fraunhofer Institute for Industrial Mathematics (ITWM), Germany]

13:45 Robust by design: virtual tire evaluation for autonomous mobility platforms
Dr. Christian Gerendt, Senior Engineer Tire Simulation for Passenger Cars and Light Trucks, Continental Reifen Deutschland GmbH, Germany

14:15 DYMAG BX-F Carbon Wheel Technology: delivering unmatched performance, modularity, and market differentiation
Benedikt Imöhl, Head of Engineering, DYMAG Technologies Limited, Germany [in cooperation with DYMAG Technologies Limited, UK]

14:45 Refreshment break with coffee and tea in the exhibition area

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15:15 – 16:15, CHASSIS.TECH PLUS SECTION – Festsaal

KEYNOTE LECTURES III

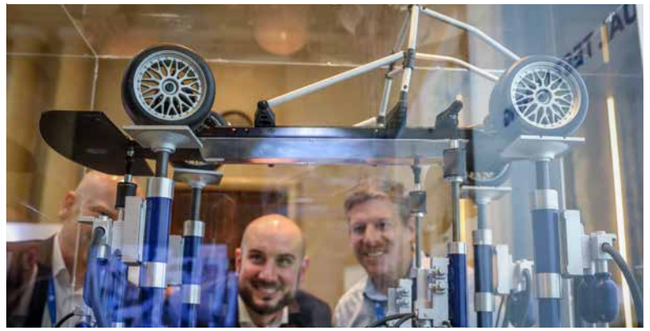
Moderation: Prof. Dr. Peter E. Pfeffer, Automotive Engineering, Hochschule München University of Applied Sciences

15:15 KEYNOTE
Innovating at the core: Li Auto's chassis development evolution
Dr. Keyan Liu, Control Expert, Team Lead of Suspension Control Software Development, Li Auto Inc., China

15:45 KEYNOTE
The software-defined vehicle – adaptation from China to Europe
Claus Groll, Head of Vehicle Dynamics, Xiaomi EV Germany GmbH, Germany

16:15 Closing remarks
Prof. Dr. Peter E. Pfeffer, Automotive Engineering, Hochschule München University of Applied Sciences;
Dr. Alexander Heintzel, Editor-in-Chief ATZ | MTZ Group, Springer Nature

The current program is also available online:
www.atzlive.com/chassis



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Exhibitors

The following exhibitors have already registered:

AB Dynamics
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COMPREDICT GmbH
Dassault Systèmes Deutschland GmbH
Genesis Motor Europe GmbH
High Tech Coatings GmbH a Miba Group Company
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IAMT Engineering GmbH & Co. KG
IAV GmbH
INVENTUS Development GmbH
IPG Automotive GmbH
Link Engineering Company
MdynamiX AG
Oiles Deutschland GmbH
PMG Holding GmbH
Qingdao Carflex Auto Parts Co., Ltd.
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Springer Professional
Streparava S.p.A.
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Registration fee

Participation on site

€ 1,745.– plus VAT

This includes the conference documentation, the accompanying trade exhibition, the use of the digital event platform, as well as the catering during breaks and the evening event on 23-06-2026.

Participation virtually via live stream

€ 995.– plus VAT

This includes the conference documentation as well as the use of the digital event platform with virtual exhibition.

Participants can change between the parallel sections at any time for both participation variants.

University members of the IAVSD receive a 50 % discount on the registration fee.

Languages used in the presentations

On site: German and English with simultaneous interpreting (German – English / English – German)

Virtually via live stream:
English original or from simultaneous interpreting

Further Information and Online Registration:

www.atzlive.com/chassis

Date

23 – 24 June 2026

Venue

Hotel Bayerischer Hof or virtually via live stream
Promenadeplatz 2 – 6, 80333 Munich, Germany

Hotels

Due to a trade fair taking place in Munich at the same time, hotel rooms are very limited. We strongly recommend booking early. If you have any difficulties booking accommodation, please contact Hannah Klusmann.

Book hotels in Munich via:
www.munich.travel/en/booking/accommodation/search

Evening reception at the Hofbräukeller am Wiener Platz NEW

Tuesday, 23-06-2026, from 18:30
in Hofbräukeller, Innere Wiener Straße 19, 81667 Munich, Germany

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chassis.tech plus 2026
23 – 24 June 2026, Munich, Germany or virtually via live stream

Your contact person

Hannah Klusmann
Abraham-Lincoln-Straße 46
65189 Wiesbaden, Germany

Phone +49 611 7878-321
ATZlive@springernature.com

The organizer

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