



chassis.tech plus 2027

4 congresses in one event

15 – 16 June 2027
Munich, Germany
or virtually via live stream

chassis.tech_{plus}

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

Call for Papers
Apply online now

Submission of proposals
no later than
2 November 2026

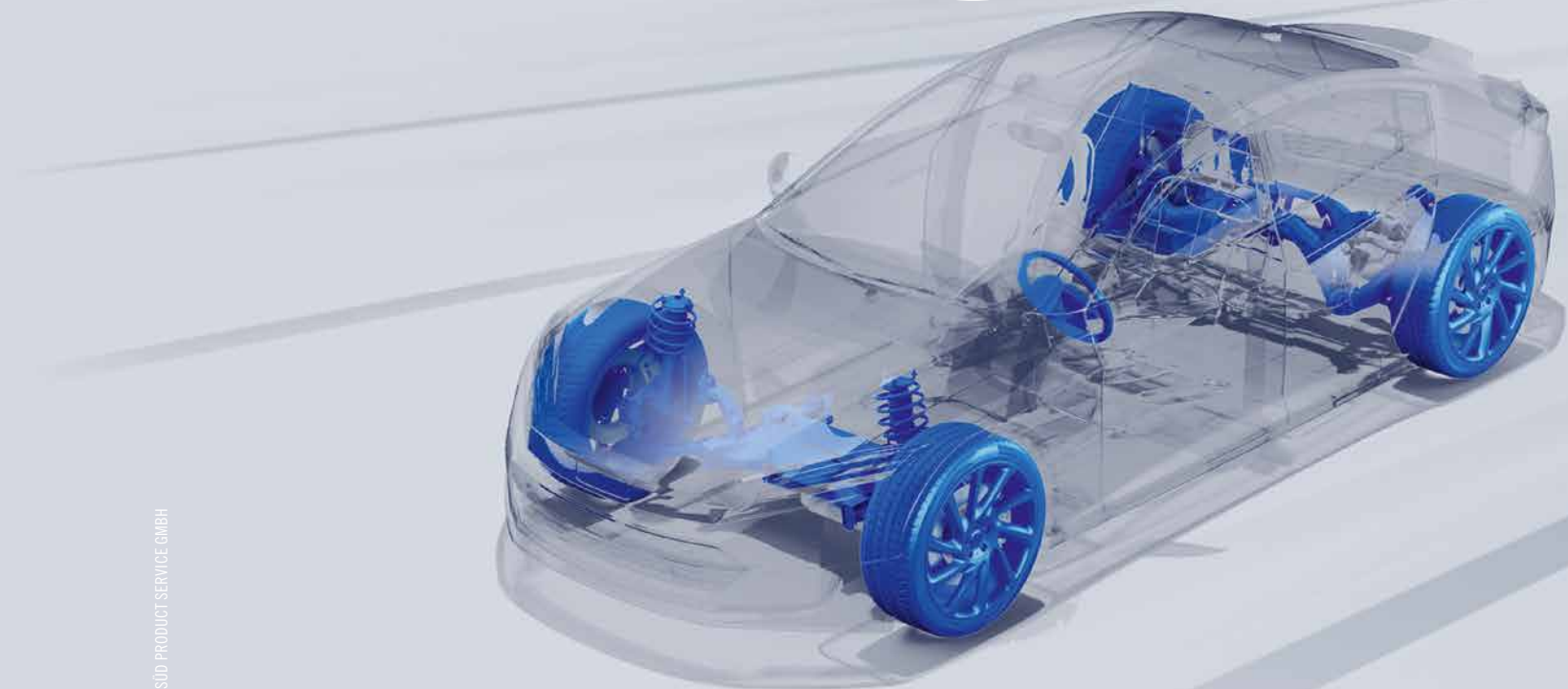
Impressions of 2026



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SCIENTIFIC DIRECTOR

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



ONE FOR ALL

4 congresses in one event

/ chassis.tech plus

A holistic understanding of chassis integration into the vehicle – closely interconnecting chassis development processes with the innovation areas of automated driving and cutting-edge technologies and methods to create a driving experience that is typical of the brand across all levels of automation

Designing chassis components that are tailor-made for passenger cars and commercial vehicles – harmonizing components, modules, and systems optimally with one other

/ 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

Pioneering tires and wheels – developing weight-optimized components for safe and sustainable mobility



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

Welcome

Hardly any other area of the car is currently caught in such a conflict between tradition and transformation as chassis technology. This is where all of the various influences converge. Automated driving, powertrain electrification, software-defined vehicles, and artificial intelligence are fundamentally changing the requirements regarding vehicle dynamics, and this includes the suspension, steering, brakes, and tires/wheels. At the same time, driving enjoyment, safety, comfort, and efficiency remain the defining benchmarks for end-user value.

The wide range of topics that are currently setting the trends – steer-by-wire and brake-by-wire systems, virtual sensors, driving simulators, digital twins, and AI-supported development methods, as well as new materials, Euro 7 legislation, and global market needs – demonstrates how closely mechanical systems and electronics have to be linked with hardware and software today. It is a matter of how international teams of engineers are responding to the question of how mobility and the driving experience will continue to develop in the markets of the future.

The 18th International Munich Chassis Symposium chassis.tech plus will bring together numerous experts in wheel suspension systems, steering, brakes, and tires/wheels as well as for automated driving for an exchange of experience and constructive discussions. This is your opportunity to show us what your innovative research and development activities currently look like. On behalf of the Scientific Advisory Boards, we cordially invite you to contribute with a paper to the success of our globally recognized event and look forward to your submission. After the symposium, your paper will be published as part of the conference proceedings at Springer Vieweg and on the online platforms Springer Link and Springer Professional.

We look forward to talking with you on site.

Further details on submitting a paper can be found in this Call for Papers.

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

Klaus Baltruschat
TÜV SÜD Product Service GmbH

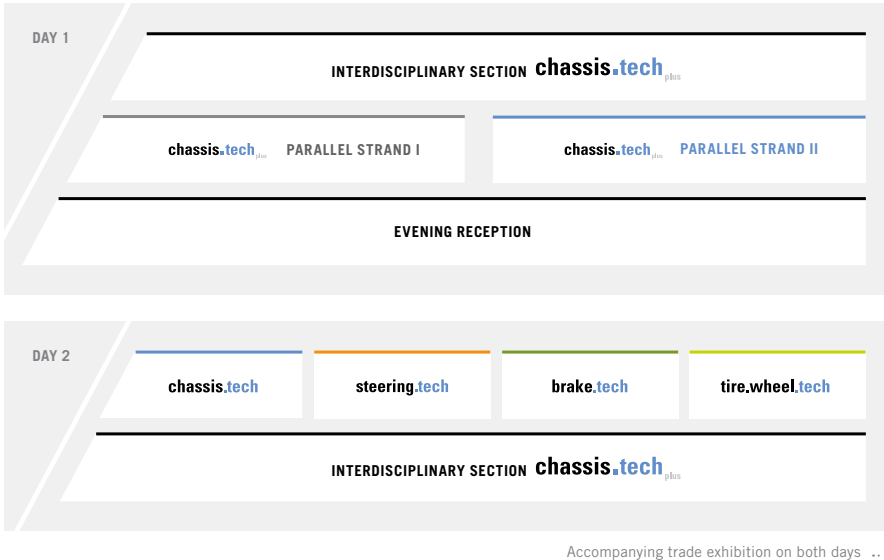
Dr. Alexander Heintzel
ATZ | MTZ Group

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

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 is the key worldwide meeting place for the chassis community in the fields of the chassis, steering, brakes, and tires/wheels as well as for automated driving.

The 1st day will be taken up by the interdisciplinary section chassis.tech plus with keynote lectures 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
- steering.tech
- brake.tech
- tire.wheel.tech

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

Participants can move freely at any time between the four parallel sections on the 2nd day.

For the whole duration of the symposium, the accompanying trade exhibition will allow you to gather information on innovative products and services offered in the field of chassis development.

Your presentation platform

Take this opportunity to present your latest products and services to the specialist audience: as an exhibitor in our exclusive exhibition and/or as a sponsor with an attractive advertising presentation.

Registration fee

On site

€ 1,795.– 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 15-06-2027.

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.

Venue

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

Languages used in the presentations

On site: German and English with simultaneous interpreting for the interdisciplinary section chassis.tech plus on the 1st day (German – English / English – German)

The four parallel sections on the 2nd day will be held in English.

Virtually via live stream: English original or from simultaneous interpreting

For information on the various presentation options, please contact:

Mr. Alex Woidich
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alex.woidich@springernature.com



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
Deputy
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.

chassis.tech



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BMW Group
Head of chassis.tech section

Klaus Baltruschat
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steering.tech



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brake.tech



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tire.wheel.tech



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

Prof. Dr. Andreas Wagner
University of Stuttgart

Prof. Dr. Burkhard Wies
ITEC Institute Technical Engineering
Consulting

Main topics for cars, commercial vehicles, racing cars, and motorcycles

INTERDISCIPLINARY SECTION CHASSIS.TECH PLUS

New Chassis Systems

- Chassis systems of new vehicle models
- Innovative vehicle concepts and their chassis systems
- Demands on the chassis for automated and autonomous driving
- Systems for electric, hybrid, and conventional vehicles
- Platform strategies and modularization
- Customer orientation, driver focus

Handling, Driving Enjoyment, and Vehicle Dynamics

- Subjective and objective evaluation
- Customer requirements for handling and the driving experience

NVH – Acoustics and Vibration in the Chassis

- Generation mechanisms
- Detection, measurement, and evaluation
- Countermeasures

Smart Chassis, ADAS, and Autonomous Driving

- ADAS and automated driving as a contribution towards the driving experience – from pure assistance to a tangible driving characteristic
- The symbiosis of vehicle dynamics and assistance/automation functions
- The driving experience across different levels of automation (SAE Levels 2–5)
- Objectification and evaluation of the driving experience during system interventions

Lightweight Design

- Design solutions
- CFRP and innovative materials

Testing and Validation

- Complexity of measuring set-ups
- Sensor technology requirements
- Test planning – virtual and experimental
- Objectification of properties
- Best practice
- Global testing regulations, specifically in China and India

Market Requirements

- Cost reduction and performance
- Energy efficiency and resource requirements
- Safe driving feeling, comfort/NVH

TIRE.WHEEL.TECH SECTION

Innovations in Tires and Wheels

- New tire and wheel concepts, materials, and technologies, lightweight design measures
- Simulation, measuring, and testing methods
- Traction and friction mechanisms
- Tire sensor systems and determining the friction coefficient

Tires and the Environment

- Legislation and testing regulations (Euro 7)
- Environmental protection, tire wear particles, and particulates
- Energy efficiency and CO₂ reduction
- Tire wear

CHASSIS.TECH SECTION

Chassis Systems

- Interaction between the chassis and vehicle dynamics
- Spring system and damping, air suspension
- Engine mounts
- Kinematics and elastokinematics, suspension
- Torque vectoring

Electronic Chassis Systems and Vehicle Dynamics Control

- Innovative systems
- Data fusion and system connectivity
- Semi-active and active chassis systems
- Roll stabilization, vertical dynamics
- Influence on vehicle characteristics

Virtual Chassis Development and Homologation

- Development of safety-critical systems
- Homologation
- Simulation, validation, verification
- Driving simulators
- User experience
- Agile development, artificial intelligence, testing with machine learning, big data

STEERING.TECH SECTION

Innovative Steering Systems and Steer-by-Wire

- New steering systems and functions
- Steering wheel, steering column, steering gear
- Rear axle steering
- Steer-by-wire systems and their actuator systems

Development Process, System Properties, and Architecture

- Steering feel and vehicle handling
- Human/machine interface (HMI)
- System architecture and control strategies
- Validation, functional safety, MiL/SiL/HiL tests

BRAKE.TECH SECTION

Innovative Brake Systems and Brake-by-Wire

- New brake systems and components
- Brake-by-wire systems and their actuators
- Active principles, assemblies, materials, sensors, and actuators
- Operational and functional behavior in practice
- Brake feel, brake squeal
- New system architectures and functions
- Software and hardware components

Brakes and the Environment

- CO₂ reduction: regenerative braking, lightweight design
- Brake systems for hybrid and electric vehicles, alternative drive systems
- Friction, wear, and brake dust
- Test legislation (Euro 7), legal requirements

ATZ live

CONFERENCES ON VEHICLE AND POWERTRAIN DEVELOPMENT

www.ATZlive.com

Further information and online submission of your proposal:

www.atzlive.com/chassis

chassis.tech plus 2027

15 – 16 June 2027, Munich, Germany

or virtually via live stream



Submission of proposals no later than

2 November 2026

Are you interested in presenting a paper on one of the topics listed at chassis.tech plus?

If so, please submit a short version of your paper via the online portal to the event page indicated. You can access this portal via the link shown in the red box above or by scanning the QR code.

Your submission proposal (please submit documents in PDF) in English should contain:

- The title of the paper
- The name of the speaker with job title, company address, telephone number and e-mail address
- The name of any co-authors with company address
- The main points and a brief summary of the paper's contents (abstract)
- Brief summary of the innovative value of the work
- Classification under one of the main subject areas

On the basis of the short version of the paper, the Scientific Advisory Boards for the conference will decide on its acceptance.

Information on the Symposium

The time allowed for presentation is 20 minutes followed by a subsequent discussion. The registration fee will be waived for one speaker per paper presented. The presentation language is either German or English for the interdisciplinary section chassis.tech plus on the 1st day or English for the four parallel sections on the 2nd day. The language of the manuscripts and slides is English. After the event, your paper will be published as part of the conference proceedings at Springer Vieweg and on the online platforms Springer Link and Springer Professional.

Schedule

Deadline for submission proposals: **2 November 2026**

Notification of the authors: **February 2027**

Submission of final manuscripts: **10 May 2027**

The final conference program will be published in March 2027.

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