



Impressions of 2025



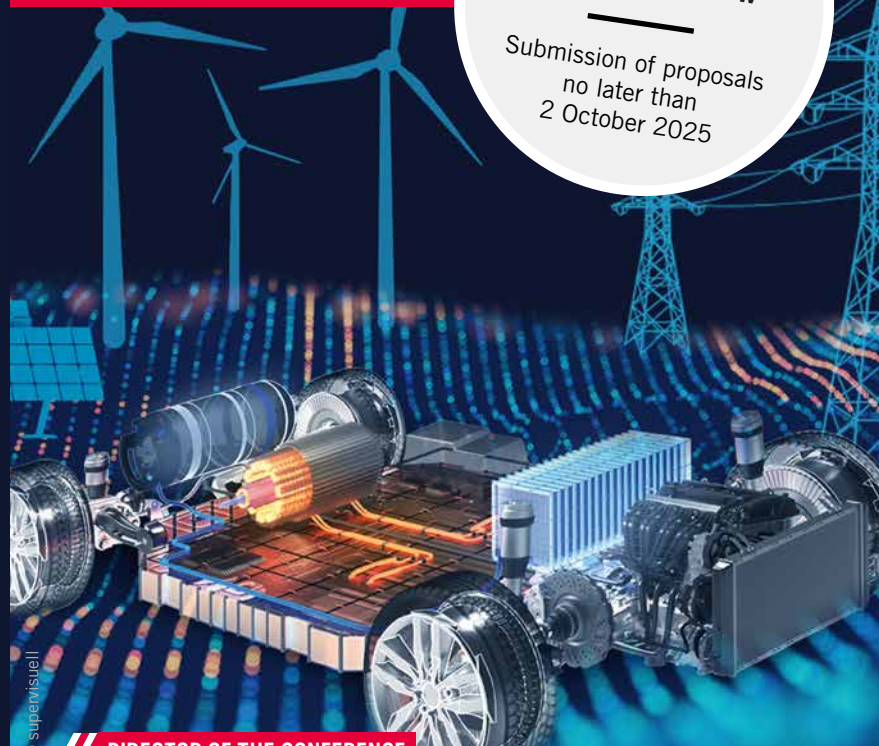
# Electric Powertrains and Energy Systems 2026

Holistic implementation of mobility and energy

19 – 20 May 2026  
Frankfurt am Main,  
Germany

**Call for Papers**  
Apply online now

Submission of proposals  
no later than  
2 October 2025



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**DIRECTOR OF THE CONFERENCE**

**Dr. Alexander Heintzel** (ad interim)  
Editor-in-Chief ATZ | MTZ Group

# E is the key

## / ELECTRIC POWERTRAINS

Technology, efficiency, and cost-effectiveness

## / GRID AND CHARGING INFRASTRUCTURE

Bidirectional and fast charging, grid integration, costs, range, charging time

## / INTERNATIONAL APPROACHES

Production, distribution chains, costs

## / ENERGY STORAGE

Battery technologies, recuperation, hydrogen storage

## / SUSTAINABILITY AND CLIMATE PROTECTION

LCA, CO<sub>2</sub> circular economy, CO<sub>2</sub> footprint



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

## Welcome

It has now also become normal for electric vehicles to have competing models from different manufacturers on the market. The driving range of electric cars is now similar to that of gasoline-powered cars and the charging infrastructure is also far better than critics often suggest.

The 20th International MTZ Conference on Future Powertrains discusses how the generation and provision of energy on the one hand and the mobility sector on the other will need to be planned and designed in order to create a sustainable and climate-friendly future. The focus is also on new powertrains for PHEVs, BEVs, and FCEVs, as well as their efficiency. From this perspective, a key role is also played by the power electronics required for intelligent charging, alongside the charging technology and infrastructure, and the provision of electricity.

Enrich this important conference with a new, innovative presentation. We would be very pleased to welcome you as a speaker. Details on submitting a paper can be found in this Call for Papers.

On behalf of the Scientific Advisory Board

## Stay at the cutting edge!

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

## IN FOCUS

Systemic development of mobility and energy

## Electric Powertrains and Energy Systems

The technological transformation in individual mobility on the basis of regenerative primary energy requires an intensified technical exchange of ideas between leading representatives of the automotive and energy industry on the one hand and science and politics on the other. For that reason, this MTZ Conference will focus on topics that not only describe the change in vehicle powertrains, but also present technological solutions in the associated infra-structure, including the provision of primary energy. Discussions will concentrate on political framework conditions as well as on systemic innovations for the future and digital solutions.



## Participants

This conference is aimed at executives and engineers as well as experts in industry, authorities, NGOs, and scientific institutes who are involved in powertrain development, the generation and distribution of hydrogen and electricity, the expansion and integration of the power grid, international markets, production networks, and supply chains.

Media partners

## Scientific Advisory Board

Our Scientific Advisory Board, which is made up of prominent experts in their respective fields, provides support during the planning phase of the conference and helps to identify suitable topics.

With its expertise the board will make a valuable contribution to the choice of themes for the lecture program.



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

Director of the Conference (ad interim)

**Dr. Norbert Alt**  
FEV Group GmbH

**Klaus Baumgärtner**  
BridgingIT GmbH

**Dr. Helmut Gander**  
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Austrian Society of Automotive  
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**Alexander Toppelreiter**  
AVL Deutschland GmbH

**Prof. Dr. Karsten Wilbrand**  
Shell Global Solutions (Deutschland) GmbH

### Electric Drive Systems

BEV | REX | PHEV | FCEV | Transmissions in electrified powertrains

### E/E Architecture

Power electronics | Inverters | Validation | DC/DC technology |  
Electromechanics

### Traction Batteries

Level of maturity | Production | Availability | Calibration | Raw materials |  
Efficiency | Recycling | Second life

### Fuel Cell and Hydrogen Technologies

Level of maturity | Production | Availability | Infrastructure | Calibration

### Energy and Thermal Management

Efficiency improvements and emission reduction | Operating strategies  
in connected drivetrains | Waste heat utilization | Heat protection |  
Battery management

### Infrastructure and Markets for Electricity and Hydrogen

Business models | National and international framework conditions  
in politics and business

### Grid Integration for Electricity and Hydrogen

Political framework conditions | Generation, transmission, distribution |  
Sector coupling | Charging and refueling infrastructure | Utilization of  
flexibilities | Data services, data transmission, data security

### Technology for Electricity and Hydrogen Infrastructure

Component and system requirements | Energy storage | Charging and  
refueling technology | Energy and thermal management

### Value Chains, Sustainability and Production Technologies

LCA | CO<sub>2</sub> circular economy | CO<sub>2</sub> footprint

### 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. Make use of this industry meeting place to make valuable contacts with customers!

For information on the various presentation options, please contact:

Mr. Alex Woidich

Phone +49 611 7878-206 | alex.woidich@springernature.com

## Further information and online submission of your proposal:

[www.atzlive.com/powertrain](http://www.atzlive.com/powertrain)

Electric Powertrains and Energy Systems 2026  
19 – 20 May 2026, Frankfurt am Main, Germany



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**2 October 2025**

### Are you interested in presenting a paper on one of these subjects?

If so, please submit a short version of your paper via the online portal to the event page indicated.

### Your submission proposal in English (please submit documents in PDF) 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 Board for the conference will decide on its acceptance.

### Information on the conference

The time allowed for presentation is 20–25 minutes with a subsequent discussion. The registration fee will be waived for one speaker per paper presented. The language of the manuscripts and slides is English.

### Schedule

Deadline for submission proposals: **2 October 2025**

Notification of the authors: **mid-November 2025**

Submission of final manuscripts: **27 March 2026**

The final conference program will be published in February 2026.