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Call for Papers

Electrics/Electronics for Mobile Machines 2026

Submit your
paper now!

Hand in your abstract covering these topics:

- **Smart and connected vehicles**
- **Automation and autonomy**
- **Data driven processes and use of AI for mobile machines**
- **Smart components (sensors, actuators, algorithms, ...)**
- **Software platforms, connectivity and communication**
- **Software defined machines and new E/E architectures**
- **Electrification and alternative propulsion systems**

Deadline for abstract
submission:

March 2, 2026

[www.vdi-wissensforum.de/
en/01TA111026](http://www.vdi-wissensforum.de/en/01TA111026)

+ Exhibition

+ Free entrance to the parallel
event ELIV 2026



Preface

Exciting changes are on the horizon in the field of mobile machinery. The introduction of the first autonomously driving tractors, agricultural robots, and construction machinery in practical use is a remarkable success. However, to be truly autonomous and efficient, all work processes must be automated. The industry is meeting this challenge with the help of intelligent sensor technology and artificial intelligence. E/E for Mobile Machines 2026 will present inspiring ideas and innovations that illustrate how the performance of machines increases with the degree of automation.

E/E for Mobile Machines 2026 is a great opportunity to discuss new technologies, processes, robotics, artificial intelligence, and machinery for efficient agriculture. The program committee cordially invites you to present your research and developments. The diverse topics list covers all important aspects of mobile machinery. Be an active member of the international engineering community and provide insights into your work!

Let your contribution drive the industry forwards. I'm keen to see what the future of mobile machines holds!

Dr.-Ing. Carsten Hoff

Chairman of the Program Committee

Topics

1. Smart and connected vehicles

- 1.1 New machine concepts like such as AgBots
- 1.2 Smart functionalities enabled by hydraulics, electrics, and software

2. Automation and autonomy

- 2.1 Process automation & planning
- 2.2 Assistance systems and ease of use
- 2.3 Architectures for highly automated or autonomous machines
- 2.4 Safe localization
- 2.5 Functional safety for highly automated machines

3. Data driven processes and use of AI for mobile machines

- 3.1 Data driven processes from design to functionality
- 3.2 AI based components & machine functionalities
- 3.3 AI enabled validation

4. Smart components (sensors, actuators, algorithms, ...)

- 4.1 Environmental sensors & perception
- 4.2 New actuators for highly automated vehicles
- 4.3 High performance ECUs

5. Software platforms, connectivity and communication

- 5.1 Farm Management Systems & Building Information Modelling
- 5.2 Fleet management & vehicle interoperability
- 5.3 Impact of the European Data Act
- 5.4 Cyber security

6. Software defined machines and new E/E architectures

- 6.1 Centralized and zonal architectures
- 6.2 Over the air updates
- 6.3 Continuous validation & digital homologation

7. Electrification and alternative propulsion systems

- 7.1 Electrification of work processes
- 7.2 Energy supply, charging, and V2X
- 7.3 Batteries & energy storage solutions

Program committee



Prof. Dr.-Ing. Thomas Herlitzius,
Chair of Agricultural Systems and Technology,
Technische Universität Dresden



Dr.-Ing. Carsten Hoff,
CEO, dSPACE GmbH, Paderborn (Chair)



Dr.-Ing. Georg Kormann,
Technical Product Manager – Sensing Systems,
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Electrification of Mobile Machines, Bosch
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Martin Schaub-Adolf,
Managing Director, Liebherr-Electronics and
Drives GmbH, Lindau



Dr.-Ing. Michael Schwall,
Expert Research Engineer, Volvo Construction
Equipment Germany GmbH, Konz

Call for Submission of Contributions

Are you an expert in one of the areas listed among the focus topics? Then we call on you to actively contribute to the success of this event by presenting your work!

Please submit an abstract in English (approx. 500 words) no later than March 2, 2026

at www.vdi-wissensforum.de/en/01TA111026 in the section „Call for Papers“. All submissions must be PDF files.

The abstract must include:

- A meaningful title for your paper
- The presenters' details and those of max. 2 co-authors (title, first name, surname, position in the company, department, address, telephone and email)
- A summary of the content with the core statements of your contribution
- A statement on the degree of innovation
- A list of your own publications on the topic

Schedule

- Deadline for submission of abstracts: March 2, 2026
- Notification of acceptance: April 2026
- Deadline for submission of manuscripts: September 4, 2026


The oral presentations are limited to 25 minutes plus 5 minutes for discussion.

Participation fee

The participation fee is waived for speakers (one person per presentation). Co-presenters receive a 30 % discount on the regular participation fee. Travel expenses will not be reimbursed.

Further questions?

Your contact:

 Dr. Maria Georgiou-Smith
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Exhibition & Sponsoring

The next VDI „Electrics/Electronics for Mobile Machines“ will take place in conjunction with the International Congress ELIV, which is the world's largest gathering focused on automotive electronics. Once again, in 2026, at the trade show accompanying the congress, more than 100 companies will present innovative and forward-looking products and services from the industry.

The exhibition is the central marketplace of the congress, where participants can catch up on trends in the industry. Take advantage of this attractive platform for corporate presentation and boost your advertising impact. Exhibit at and/or sponsor this event and impress the industry's leading decision-makers.

Who should exhibit?

Manufacturers, suppliers and service providers for the automotive industry and mobile machinery covering the following areas:

- Software and connected systems
- Automated driving and driver assistance systems
- Electrical power supply/E-mobility
- Electronic components and control devices
- Infotainment
- Comfort electronics
- HMI, operation and display
- Lighting and visibility
- Diagnostics/testing/integration
- Development services
- Start-ups
- etc.

Don't hesitate to contact us for further information on the exhibition and sponsoring:



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Please note!

If your registration as an exhibitor or sponsor is received by May 11, 2026 your company name will be printed in the exhibitors' list as part of the program brochure.

This flyer will be sent out to some 10,000 selected addresses in Germany and abroad!

Scan for more information!



Call for Papers
Electrics/Electronics for Mobile Machines 2026

VDI Wissensforum GmbH | VDI-Platz 1 | 40468 Düsseldorf | Deutschland

Your proposal for the future
of electrics and electronics
for mobile machines!

Any more questions?
Simply contact us!

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✓ Please register for:

Price per Person plus VAT	Electrics/Electronics for Mobile Machines 2026
	<input type="checkbox"/> October 14 - 15, 2026, Baden-Baden, Germany (01TA111026)
Participation Fee	EUR 1.890,- (Early Bird, valid until March 2, 2026) EUR 2.190,- (Regular rate, valid after March 3, 2026)

I'm interested in Sponsoring and/or Exhibition

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* For the price category 2, please state your VDI membership number

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www.vdi-wissensforum.de/en/terms-and-conditions/

Venue
Kongresshaus Baden-Baden, Augustaplatz 10, 76530 Baden-Baden

Accommodation:
A limited number of rooms have been reserved for congress participants.
Please visit www.eliv-congress.com for further information.

More Hotels close to the conference venue may be found via our HRS service
www.vdi-wissensforum.de/hrs



Hotel Reservation: Hotels close to the conference venue may be found via our HRS service www.vdi-wissensforum.de/hrs

Services: The price includes beverages during breaks, lunch as well as the evening function. Participants will have online access to the congress documents (E-Book).

Exclusive offer: All participants at this event are entitled to a free three-month trial VDI membership.
(Offer applies exclusively to new members.)

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