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VENUE AND ACCOMODATION

EPTS 2025 will take place at Messe Karlsruhe, Germany. Recommendations for possible accommodation can be found on our website.

CONFERENCE FEE (On-site participation)

Registration	Until May 31, 2025	After May 31, 2025
Standard Fee	€ 1,199,-	€ 1,299,-
Reduced Fee*	€ 799,-	€ 899,-
One Day Fee	€ 799,-	€ 899,-

* Reduced fee for international program committee members, speakers (including one paper), participating co-authors and university members. Additional fees will be charged for additional papers.

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IN COOPERATION WITH



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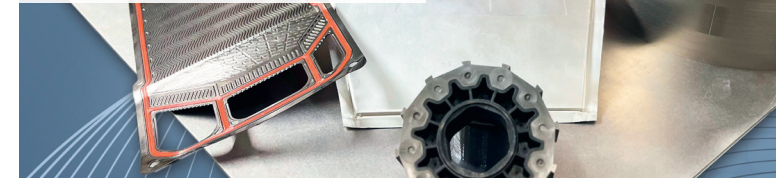
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International Conference



October 8 and 9, 2025
Karlsruhe, Germany



CALL FOR PAPERS

SUBMIT YOUR CONTRIBUTION UNTIL
MARCH 31, 2025

Industry and science experts are encouraged to submit their contributions for presentation on the specified topics or any other subjects relevant to the conference's overarching theme. Abstracts, approximately 300 words in length, should be submitted in English to the conference office. These abstracts must include essential information and significant facts. Online submission is required and should contain the following details:

- Title, subject and topic of the contribution
- 3-6 keywords
- Full name, organization or company, postal and email addresses of all authors

Before accepting full papers (Scientific Contributions) or presentations (Industrial Contributions), all submitted abstracts will undergo evaluation. Scientific full papers will undergo a rigorous review process before achieving final acceptance. It is intended that the EPTS proceedings, which will include all scientifically accepted papers, will be submitted for inclusion into IEEE Xplore subject to meeting IEEE Xplore's scope and quality requirements.

CONFERENCE CHAIRMAN

Prof. Dr.-Ing. Jürgen Fleischer, Director of Machines, Equipment and Process Automation, wbk - Institute of Production Science at Karlsruhe Institute of Technology (KIT)

ABOUT EPTS

Starting in 2025, we are taking a bold step forward: The three renowned conferences **E|DPC**, **EPT (RWTH Aachen)**, and **E|PTS (FAPS)** are joining forces to create **EPTS**, the premier industry event for electric mobility. This transformation allows us to **bring together the best expertise** from three established conferences, **offer a broader, more comprehensive program** covering all key aspects of electric powertrain production, **strengthen collaboration** between research and industry, **create a rotating event format**, connecting top academic institutions and industry leaders.

Covering topics like electric drives production, power electronics, fuel cell technology and hydrogen, lifecycle assessments, energy transfer in electric vehicles and transmission technology, EPTS will be the key annual gathering for over **300 experts** shaping the future of sustainable mobility. The future megatrends of increasing power consumption, CO₂ reduction, urbanization, and mobility, along with automation and digitalization, highlight the critical role of efficient production technologies and systems. The electrification of powertrains in various mobility sectors is essential, considering the challenges posed by the substitution of conventional propulsion technologies. In addition to advancing ideas for new propulsion technologies, organizing manufacturing processes and systems is of paramount importance. The International Conference on Production Technologies and Systems for E-Mobility provides an exceptional platform for developers, researchers, and potential users to share their experiences. The conference focuses on presenting highly innovative products, manufacturing processes, and strategies from diverse industries. Furthermore, an accompanying industrial exhibition, complementary poster presentation, and an engaging social program will enhance the overall experience. The conference showcases cutting-edge e-mobility technologies.

INDUSTRIAL CONTRIBUTION

Industry experts are specifically encouraged to participate in the application-oriented industrial track by presenting their issues without the requirement of preparing a full paper. Once the abstract is accepted, the presentation slides will be included in the accompanying industrial transcript. This application-oriented contribution provides an excellent platform for both exhibitors and non-exhibitors to showcase their latest and most innovative technologies.

SCIENTIFIC CONTRIBUTION

Once your abstract is accepted, your full paper (4-8 pages) will undergo a thorough review by the program committee. The EPTS proceedings, which will encompass all scientifically accepted papers, are planned for publication by IEEE and indexing on Scopus and Google Scholar. Each scientific paper will have two opportunities for discussion. For further details, please visit our website at

EPTS EXHIBITION

The EPTS 2025 event will feature a comprehensive exhibition, providing companies, research institutes, and other organizations with the chance to engage with their specific target audience. Participants can expect in-depth technical discussions during the exhibition.

IMPORTANT DATES

Submission of scientific abstracts:	March 31, 2025
Notification of acceptance of abstracts:	April 15, 2025
Early registration:	May 31, 2025
Submission of full papers:	May 31, 2025
Submission of industrial contributions:	May 31, 2025
Review of full papers:	June 30, 2025
Submission of final full papers:	July 31, 2025

TOPICS

ELECTRIC MACHINE PRODUCTION

- Innovative electric machine design for Emobility
- New materials and semi-finished products
- Manufacturing technologies
- Electric drives production systems
- Electric drives specific testing
- Winding technologies

POWER ELECTRONICS PRODUCTION

- Automated processes and machinery for manufacturing
- New joining technologies
- New material systems
- New durability tests
- Application of mechatronic devices
- Advanced thermal management techniques for power electronics

ENERGY TRANSFER IN ELECTRIC VEHICLES

- High efficient power transfer technologies
- Dynamic and stationary power transfer systems
- Manufacturing of inductive and dynamic charging systems
- Assembly of stationary charging systems
- System integration
- Applications and markets

FUEL CELLS AND HYDROGEN

- Fuel cells, electrolyzers and hydrogen storage systems
- Scalable fuel cell and electrolyzer production
- Continuous Roll-to-Roll component fabrication
- Production technologies for hydrogen storage systems
- Optimizing hydrogen transport and infrastructure
- Quality in fuel cell and electrolyzer production

BATTERY PRODUCTION

- Manufacturing of Li-ion and post-lithium material systems
- New electrolyte systems
- New electrode materials
- Integration and modularization techniques
- Automation and robotics in battery cell manufacturing
- Design for remanufacturing and recycling

LIFECYCLE ASSESSMENT

- Design and processes for remanufacturing and recycling
- Lifecycle Assessment in production environments
- Optimization potentials in manufacturing processes
- Integrating the carbon footprint into economic evaluations
- EoL management and recycling of electric vehicle components
- Sustainable sourcing of raw materials for EV components

PRODUCTION SYSTEMS

- Manufacturing of electrified aviation
- Manufacturing of ground-based E-Mobility
- Manufacturing of electrified nautical mobility
- Smart factories and Industry 4.0 in E-Mobility production
- Additive manufacturing
- Accompanying economic research



Bild: Messe Karlsruhe