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AACHEN AUTOMOTIVE COLLOQUIUM

OCTOBER 5TH - 7TH, 2026

Univ.-Prof. Dr.-Ing. Lutz Eckstein
ika - Institute for Automotive Engineering

Univ.-Prof. Dr.-Ing. Stefan Pischinger
tme - Chair of Thermodynamics of Mobile
Energy Conversion Systems

RWTH Aachen University

Information Call for Presentation

Organizer: Aachener Kolloquium GbR
Steinbachstraße 7, 52074 Aachen, Germany
www.aachen-colloquium.com

Venue: Altes Kurhaus, Monheimsallee 44, 52062 Aachen, Germany

Date: October 5th - 7th, 2026

Facts: Up to 700 participants
80+ international technical presentations
Up to 25 companies at the exhibition
Driving event as a supporting program
Traditional banquet

Duration of presentation: 20 minutes + 10 minutes discussion

Language - speech
and slides: English

Participation fee: One speaker per presentation is free of charge. Further
speakers and co-authors have to register on our website.

Deadlines: Submission of abstract: February 28th, 2026
Notification of acceptance: from middle of April 2026

Recording: The presentations will be streamed live and recorded via the
event platform. These videos will be available in the event app
until the end of the event year.

For further information, please visit our website:
www.aachen-colloquium.com/attend-as/speaker/call-for-presentations



Are you an expert in pioneering mobility topics? Then take the opportunity to participate in our congress by giving a technical presentation. Please visit our official website www.aachen-colloquium.com/attend-as/speaker/call-for-presentations and submit your abstract until February 15th, 2026. At the end of the submission deadline, a selection of presentations will be made on the basis of the abstracts.

We are looking forward to getting your presentation proposal.

Main Topics

Automotive Strategies

- Circularity
- Local for local
- Mastering software-definedness (and AI)
- Methods for increasing resilience
- New business cases

Commercial, Industrial, Special-Purpose Vehicles & Defense

- Challenges and AI supported solutions in the industries
- Sustainable Powertrain Technologies

Electrification

- Battery Management & Safety Systems
- Electric Drive Technologies
- Energy & Thermal Management
- Next-generation solid-state Batteries and Chemistry
- Traction Batteries

Powertrain Technologies

- Alternative Fuel Applications
- Fuel Cells
- High Efficiency Combustion Processes
- xHEV, Dedicated Hybrid Engines & Transmissions
- Zero-Impact Emission Concepts

Vehicle Architectures & Mechatronics

- Software-Defined Vehicle Architectures
- Vehicle Electrical Systems & 48V Technologies
- X-by-Wire Technologies

Special Track: Automotive meets AI

AI trends in mobility

- AI for mobility research & development
- Business cases for AI products
- Open-source activities
- Regulatory framework
- The potential of physical AI for the European market

AI-enabled functions

- AI driven chassis functions
- AI driven In-car experience
- AI for in-cab sensing
- AI-supported combustion optimization
- End-To-End AD and ADAS
- Optimizing industrial fleets with AI
- Predicting crashes by big data and AI
- Urban AI traffic management

Digital Development Processes driven by AI

- AI based requirements engineering
- AI-supported circular economy in Mobility
- AI-supported testing, verification & scenario creation
- Data sources (virtual and real)
- Digital Twins
- Methods to make the development process more efficient
- Validation & verification of AI modules in the automotive context

Contact

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Dates

from middle/ end of April 2026

Notification of acceptance of the presentation

end of April 2026

Confirmation of participation by the lecturers

until August 31, 2026

Resumes including photo

until September 20, 2026

Submission of the presentation for publication

on site

Delivery of the final presentation slides and short technical test in the hall

