

DRESDEN AUTOMOTIVE SYMPOSIUM

October 1st – 2nd



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TECHNISCHE
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bertrandt

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HORIBA



NEXT
AUTOMOTIVE TESTING

Automotive Systems Engineering

Idea-to-Offering in Half the Time

Join industry leaders and innovators at the **Dresden Automotive Symposium 2025** at Technische Universität Dresden, where cutting-edge advancements redefine the future of vehicle development. Explore next-generation engineering—from AI-driven validation to mixed-reality testing and discover how agile methods accelerate automotive innovation.

✓ Requirements Engineering & Target Cascading ✓ Verification & Validation of Total Vehicle Functions ✓ Virtual Methods in Type Approval ✓ Generative AI & Its Role in Development and Certification ✓ Mixed-Reality Testing & Agile Engineering ✓ Software-Defined Vehicles & Attribute Engineering

Venue:

TU Dresden, Professorship of Automotive Engineering, Vehicle Test Center,
August-Bebel-Straße 32, 01219 Dresden



Organizer: Prof. Dr.-Ing. G. Prokop (TU Dresden)

Language: english

Conference fee: 195€ (plus VAT) per Person

Registration: intercom-dresden.de/secure/conreg_ddas2025/

Any questions?



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Speakers include TU Dresden, AUDI AG, Bertrandt AG, BMW AG, CARIAD SE, HORIBA Europe GmbH, IAMT Engineering GmbH&Co.KG, Infineon Technologies Dresden GmbH&Co.KG, IPG Automotive GmbH, Dr.-Ing. h.c. F. Porsche AG, tracetronic GmbH, VI-grade GmbH, Volkswagen AG

Wednesday Program, 01.10.2025

- From 11:00 **Guest Arrival with Registration and Lunch Buffet**
- 12:15 – 12:30 **Welcome Speech** Prof. Dr.-Ing. Günther Prokop, TU Dresden
- 12:30 – 12:45 **Opening Remarks** Dean Prof. Dr.-Ing. Regine Gerike, TU Dresden

Session 1 – Key Notes

- 12:45 – 13:10 **Virtual and data-driven Development – Opportunities and Challenges from an OEM Perspective**
Dr.-Ing. Christian Schimmel, Audi AG
- 13:15 – 13:40 **AI based Automation throughout the automotive V-model – Challenges and Solutions for shortening Development Time**
Dr. Peter Schlicht, CARIAD SE

Session 2 – Cyberphysical Prototyping

- 13:45 – 14:10 **BMW Group Driving Simulation Centre: Use Cases and Challenges**
Dipl.-Ing. Martin Peller, BMW Group
- 14:15 – 15:00 **Coffee Break**
- 15:00 – 15:25 **How Automotive Systems Engineering accelerates the Left-Shift in Vehicle Validation**
Dipl.-Ing. Henrik Schmidt, Dr.-Ing. h.c. F. Porsche AG
- 15:30 – 15:55 **Supporting the Development Process using Software and simulation-based Testing**
Alexander Seipel, Horiba Europe GmbH
- 16:00 – 16:25 **Researching the Motor Vehicle – From Dresden into the Future**
Dipl.-Ing. Tobias Schramm, TU Dresden
- 16:30 – 17:00 **Coffee Break**
- 17:00 – 19:00 **Guided Tour trough the Vehicle Test Centre**
- From 19:00 **Evening Event**

Thursday Program, 02.10.2025

09:00 – 09:15 **Welcome Speech** Prof. Dr.-Ing. Günther Prokop, TU Dresden

Session 3 – Key Note

09:15 – 09:40 **Accelerated Vehicle Development: Strategies for a faster time-to-market from the Perspective of OEMs and Competitors**
Dipl.-Inf. Fabian Ahrendts, Volkswagen AG

Session 4 – New Developments in Simulation Methods

09:45 – 10:10 **Real-World Brake and Chassis Durability in the Loop: Usage Variability Simulation via Virtual Test Markets**
Dr. Felix Pfister, IPG Automotive GmbH

10:15 – 10:40 **Model Based Customer – UAF for modeling Customer Benefits using the Example of the Logistics Industry**
Dipl.-Ing. Bernhard Reisch, M.Sc. Simon van der Weck, Bertrandt AG

10:45 – 11:15 **Coffee Break**

11:15 – 11:40 **Accelerate Time-to-Market with Model-based Software Development and Virtual Prototyping for AURIX™ TC4x**
Dr. Mathias Haberjahn, Infineon Technologies Dresden GmbH & Co. KG

Session 5 – Verification and Validation of Software defined Vehicle

11:45 – 12:10 **Focus on Efficiency: Design and Analysis Concepts for the Chassis Components of Tomorrow**
Dr.-Ing. Robert Schliebner, IAMT Engineering GmbH & Co. KG

12:15 – 13:15 **Lunch Buffet**

13:15 – 13:40 **SDV Development - but safe**
Dipl.-Inf. Patrick Stiller, Dipl.-Inf. Sebastian Dietze, tracetronic GmbH

13:45 – 14:10 **Human-Centric Development of Software-Defined-Vehicles**
Ph.D. Michael Hoffmann, VI-grade GmbH

14:15 – 14:25 **Wrap-up and Closing Remarks** Prof. Dr.-Ing. Günther Prokop, TU Dresden