DRESDEN AUTOMOTIVE SYMPOSIUM

October 1st – 2nd

DDAS 2025

TECHNISCHE UNIVERSITÄT DRESDEN

AMFD · bertrandt · tracetronic · infineon · FSD Zentrale Stelle

HBK HOTTINGER BRÜEL & KJÆR · IPG · IAMT GRUPPE · 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, IAMT Engineering GmbH&Co.KG, IAV GmbH, 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   **Deriving AI Safety Requirements based on ISO/PAS 8800: Road Vehicles – Safety and Artificial Intelligence**
Dipl.-Ing. Patrick Brückner, IAV 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