

AI & Data-Driven Simulation Summit & Forum

14 + 15 July 2026 | Neckarsulm, Germany



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How is artificial intelligence transforming the way we develop, test, and validate products?

And how can we move from promising pilot projects to robust, user-ready solutions in industrial practice?

The **AI & Data-Driven Simulation Summit & Forum** brings together leading experts from industry and research to address these questions. The focus is on the next evolution of engineering: the intelligent integration of **simulation, data, and AI** into seamless, learning-driven development processes.

While traditional engineering approaches are often sequential and iterative, data-driven methods enable a fundamental shift: Designs are no longer just validated - they are **continuously optimized, automatically generated, and data-backed**.

The combination of physics-based simulation and AI unlocks entirely new opportunities: from drastically accelerating complex analyses and deploying surrogate models to enabling continuous optimization in "Closed-Loop Engineering."

Yet despite this huge potential, many companies struggle with limited tool interoperability, poor AI integration into established workflows, missing standards, and low trust in AI results - leaving impressive proofs of concept stranded outside everyday engineering.

This is exactly where the forum comes in.

Together, we discuss how innovative approaches can be transformed into scalable, robust, and user-friendly environments that fit into real development organizations. The summit & forum addresses the entire spectrum from CAE-driven vehicle development to scenario-based simulation for ADAS, AD, and SDV - and is open to related industries that share the same challenges.

Event partners:

asc(s)

dfki
ai

Day 1 - Summit (from 5:00 PM)

Designed for executives and decision-makers, the summit kicks off in the late afternoon with:

- **Keynote presentation** highlighting strategic opportunities and challenges of AI-driven engineering
- **Panel discussion** with senior leaders on scaling AI and simulation solutions in industrial environments moderated by Christoph Gumbel, Senior Futurist future matters AG and former head of virtual vehicle at Porsche AG
- **Get-together & networking** in the technology exhibition to connect with peers, share insights, and explore collaboration opportunities

The summit provides strategic takeaways for organizational planning, adoption, and business impact. It's exclusive for invited guests and members of the ASCS.

Day 2 - Forum (8:15 AM – 5:00 PM)

A full day of practical and technical expertise, featuring:

- **Keynotes and expert lectures** covering AI, data-driven simulation, and advanced engineering workflows
- **In-depth sessions** on:
 - Integration of simulation and AI in industrial applications
 - Overcoming data silos and ensuring high-quality, standardized data
 - End-to-end, integrated engineering workflows
 - Scaling AI solutions beyond pilot projects
 - Best practices for trustworthy and explainable AI in engineering
- **Technology exhibition** in the matchmaking area to explore cutting-edge tools, solutions, and partner opportunities
- **Interactive discussions** on pushing innovative solutions from concept into scalable, robust, user-friendly environments

Why attend?

Participants gain insights on how to transition from traditional, sequential engineering processes to data-driven, adaptive, and learning-enabled development ecosystems, enabling faster innovation and higher adoption of AI-driven simulation technologies. This event is ideal for executives, engineers, and innovation leaders ready to shape the future of engineering from vision to industrial application.



Location:

Bechtle IT-Systemhaus

Bechtle Platz 1

74172 Neckarsulm

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Call for Presentations

Deadline: 5th May 2026

The AI & Data-Driven Simulation Forum invites forward-looking, practical, and innovative contributions from industry and research. We are seeking application-oriented presentations, methods, technologies, and strategies that demonstrate how AI and simulation are transforming virtual vehicle development across the entire lifecycle.

We welcome submissions in areas including, but not limited to:

- Vehicle Electrification
- Vehicle Structure (lightweight design, new materials, passive safety)
- Vehicle Automation
- Connectivity and Software-defined Functions
- Vehicle Dynamics and Ride Comfort
- Sustainable Mobility

We are interested in contributions that showcase how AI and simulation are used to:

- Make development processes more efficient
- Accelerate decision-making
- Unlock new innovation potential
- Actively drive the transformation of wheel-based mobility and beyond

Please send us your proposed presentation title + abstract (max. 3000 characters) and presenter names until 5th of May to events@asc-s.de (template available). All submissions will be carefully reviewed by a program committee to ensure a high-quality, relevant, and engaging agenda for the forum. **Please send us your proposed presentation title + abstract (max. 3000 characters) and presenter names until 5th of May to events@asc-s.de** (template available). All submissions will be carefully reviewed by a program committee to ensure a high-quality, relevant, and engaging agenda for the forum. Speakers with accepted abstracts will also be invited to join an exclusive Summit with decision-makers on the evening prior to the event.

PROGRAM COMMITTEE

- Dr. **Martin Benedikt** - Virtual Vehicle Research
- Dr. **Marcus Camen** - science + computing
- Prof. Dr.-Ing. **Gunnar Gräfe** - Jade Hochschule
- Dr.-Ing. **Dirk Rensink** - SEGULA Technologies
- Prof. Dr.-Ing. **Philipp Slusallek** - German Research Center for Artificial Intelligence
- **Carlo van Driesten** - BMW