

ON SITE & ONLINE

automotive
[CAE]
GRAND
CHALLENGE

May 19 – 20, 2026
Congress Park Hanau
Germany

// EXHIBITION & SPONSORSHIP



www.carhs.de/grandchallenge

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Automotive CAE Grand Challenge, Congress Park Hanau, Germany, May 19 – 20, 2026



The automotive CAE Grand Challenge stimulates the exchange between users, scientists and software developers in order to solve the challenges of CAE based car development. Annually the current challenges of automotive CAE are being identified through a survey among simulation experts of the international automotive industry. In the conference one session is dedicated to each of the most critical challenges, the “Grand Challenges”. In every session CAE experts from industry, research and software development explain the importance of the individual Challenge for the virtual development process and report on their efforts to overcome the challenge.



"An unusual event concept made the automotive CAE Grand Challenge sustainably successful: Preview of this year's vital dialogue platform on current challenges and answers in the area of simulation and verification in car development."

<https://d1g1tal.de/automotive-cae-grand-challenge-to-explore-the-status-of-simulation/>

TARGET GROUPS:

The automotive CAE Grand Challenge is attended by simulation engineers from automotive manufacturers, suppliers and engineering companies, staff of research institutes and universities as well as from software manufacturers.

Participants from Europe and overseas make up a significant part of the audience.

THE GRAND CHALLENGES OF 2026:

// ARTIFICIAL INTELLIGENCE, MACHINE LEARNING, BIG DATA:
HOW CAN AI ACTUALLY HELP DESIGNING A VEHICLE?

// CAE PROCESS & QUALITY ASSURANCE: **AUTOMATED CAE MODEL QUALITY CHECKS FOR CERTIFICATION READINESS**

// DURABILITY / FATIGUE: **FATIGUE SIMULATION OF HV-BATTERIES (VIBRATION FATIGUE)**

// FULL VEHICLE SIMULATION:
VIRTUAL VERIFICATION AND CERTIFICATION

// OCCUPANT SAFETY:
META MODELS FOR OCCUPANT INJURY PREDICTION

// MATERIAL MODELING - FOCUS STRUCTURAL ANALYSIS:
ADVANCED MODELLING OF MATERIAL DAMAGE AND FAILURE

// OPTIMIZATION & ROBUSTNESS:
CHALLENGES OF MULTIDISCIPLINARY DESIGN OPTIMIZATION

Impressions



Previous Participants

4a engineering • AIT • Altair • Applus IDIADA • ARRK Engineering • ASC(S) • AUDI • Autoliv • AVL • Basell • BASF • BAST • Poliolefine • Benteler • Bertrandt • BETA CAE • BMW • Bosch • Brose • Cascate • CDH • Ceetron • CENAERO • Contact • Continental • Cray • CRF • CRH • CSI • Daimler • DLR • Dow • Draexlmaier • DSM • EDAG • EOMYS • Faurecia • FE Design • FIFTY2 • Ford • Fraunhofer LBF • Fraunhofer IWM • Fraunhofer ITWM • Fraunhofer SCAI • Fuji Heavy • Fundación CIDAUT • Gestamp • HBM • Hirtenberger • Honda • Humanetics • Hyundai • IAT • IAV • IEE • ihf • Imperia • IndustrieHansa • Isuzu • Jaguar-Land Rover • Johnson Controls • JSOL • Karmann • Key Safety Systems • Key to Metals • Kirchhoff • Lamborghini • L&L • Lasso • Lear • MAGMA • Magna • Mahindra • MATEFEM • MAZDA • MIRA • MSC • Mubea • NISSAN • Nippon Steel • Opel • PART • Penso • pdb • Plastic Omnium • Porsche • P+Z • QLF • Reydel • RLE • Saab • SAIC • Saint Gobain • Scania • SFE • Sika • Skoda • SmartCAE • TASS • TU Graz • Takata • Tata • Technalia • Toyoda Gosei • Toyota • Toyota-Boshoku • TRW • VIF • Volke • Volkswagen • Volvo • Xitadel • and many more

Previous Exhibitors and Sponsors



Sponsorships

Package	Exhibitor	 Silver	 Gold	 Platinum
Price	EUR 2,900 Order No. CAEGC2026-01	EUR 3,900 Order No. CAEGC2026-02	EUR 4,900 Order No. CAEGC2026-03	EUR 5,900 Order No. CAEGC2025-04
Exhibition booth ¹	✓	✓	✓	✓
Conference tickets ON SITE (incl evening event) or ONLINE Combinations of ON SITE and ONLINE Tickets are possible (e.g. a GOLD sponsor can opt for 1 ON SITE and 4 ONLINE tickets).	1 ON SITE	2 ON SITE or 4 ONLINE	3 ON SITE or 6 ONLINE	5 ON SITE or 10 ONLINE
Logo placement/size*	–	small	medium	large
Signature Wall	–	small logo bottom row	medium logo middle row	large logo top row
Get involved in the conference. Talk to us.	–	–	–	✓
Company profile in event app	✓ 4 th position	✓ 3 rd position	✓ 2 nd position	✓ 1 st position
Company brochure as a pdf document in the event app	–	–	✓	✓
Additional ON SITE conference tickets	EUR 800 Order No. CAEGC2026-05	EUR 800 Order No. CAEGC2026-06	EUR 700 Order No. CAEGC2026-07	EUR 600 Order No. CAEGC2025-08
Additional ONLINE conference tickets	EUR 400 Order No. CAEGC2026-09	EUR 400 Order No. CAEGC2026-10	EUR 350 Order No. CAEGC2026-11	EUR 300 Order No. CAEGC2025-12

¹**Exhibition booth includes:** 3 x 2 m exhibition space: table, chairs, electricity 230 V, waste disposal, presentation during the guided tour of the exhibition and profile in exhibitor list on conference website.

Sponsor Workshop**

Extras

Includes	<ul style="list-style-type: none"> ■ Conference room ■ Video projector, refreshments ■ Announcement in conference brochure and on web site with sponsor logo
Price	EUR 1,000 Order No. CAEGC2026-13

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