ON SITE & ONLINE
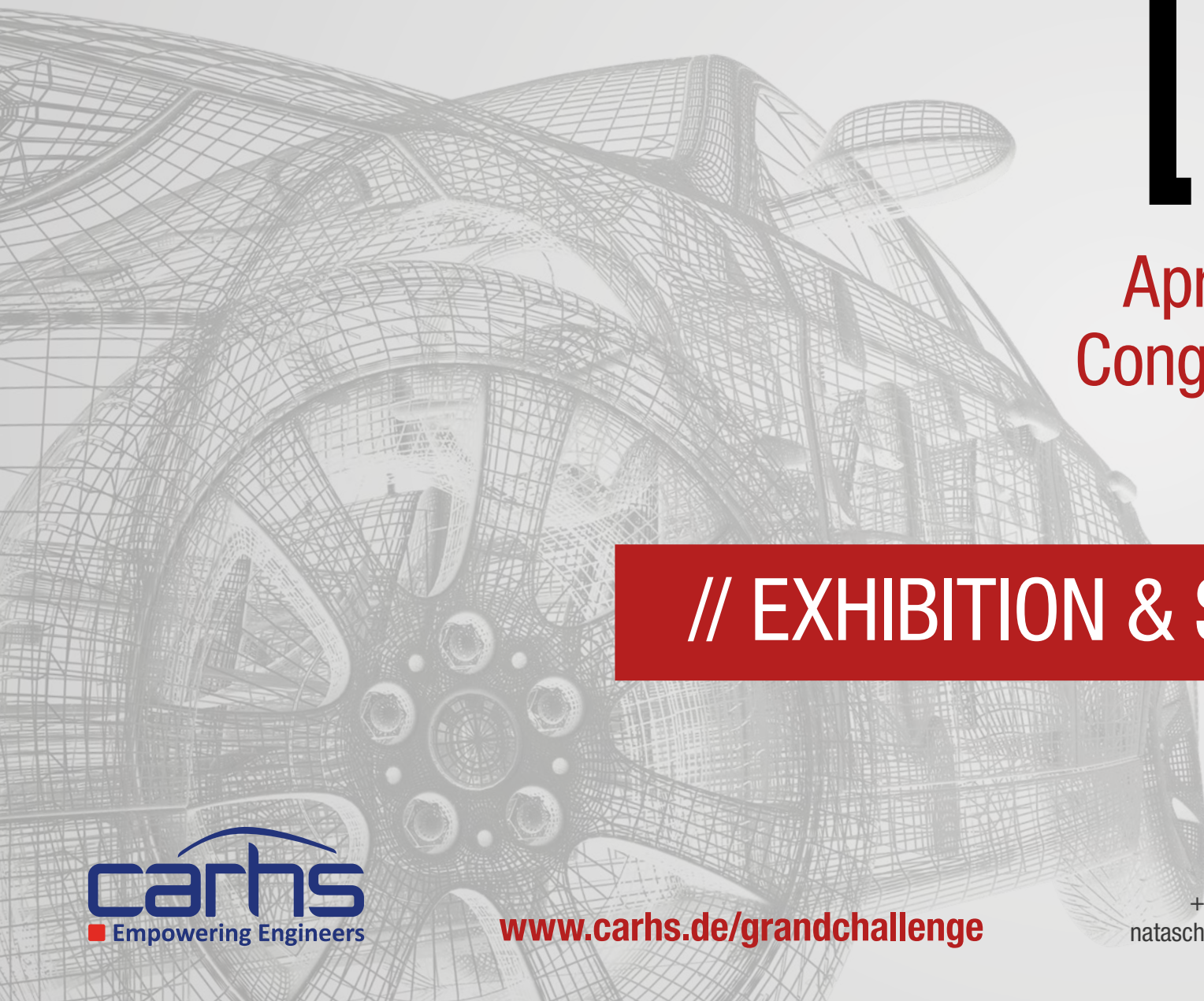
[automotive
CAE
GRAND]
CHALLENGE

April 08 – 09, 2025
Congress Park Hanau
Germany

// EXHIBITION & SPONSORSHIP

carhs
Empowering Engineers

www.carhs.de/grandchallenge

Your contact
Natascha Elsässer
+49 (0)151 107 386 70
natascha.elsaesser@carhs.de

automotive [CAE] GRAND CHALLENGE

Automotive CAE Grand Challenge, Congress Park Hanau, Germany , April 08 – 09, 2025

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.

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.

"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/

THE GRAND CHALLENGES OF 2025:

// ARTIFICIAL INTELLIGENCE, MACHINE LEARNING, BIG DATA: **PHYSICS INFORMED NEURAL NETWORKS**

// CAE PROCESS & QUALITY ASSURANCE: **MANAGEMENT OF CAE MODEL EVOLUTION DURING A DEVELOPMENT PROGRAM**

// FULL VEHICLE SIMULATION: **ROAD LOAD DETERMINATION WITH ADVANCED WHEEL AND TIRE MODELS**

// NOISE, VIBRATION, HARSHNESS: **PREDICTION ACCURACY OF ACOUSTIC ANALYSIS**

// OCCUPANT SAFETY: **BEHAVIOR OF RESTRAINT SYSTEMS FOR DIVERSE HUMAN PROPORTIONS**

// OPTIMIZATION & ROBUSTNESS: **SENSITIVITY ANALYSIS FOR CRASH SIMULATIONS WITH EXPLICIT CODES**

// VIRTUAL MANUFACTURING: **SIMPLIFIED CASTING SIMULATION, ESPECIALLY FOR GIGA CASTINGS**

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 • MATFEM • 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 2,700 Order No. CAEGC2025-01	EUR 3,200 Order No. CAEGC2025-02	EUR 4,800 Order No. CAEGC2025-03	EUR 6,000 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	1 ON SITE or 2 ONLINE	3 ON SITE or 6 ONLINE	5 ON SITE or 10 ONLINE
Logo placement/size*	–	small	medium	large
Get involved in the conference. Talk to us.	–	–	–	✓
Company profile in event app	✓ 4th position	✓ 3rd position	✓ 2nd position	✓ 1st position
Company brochure as a pdf document in the event app	–	–	✓	✓
Additional ON SITE conference tickets	EUR 700 Order No. CAEGC2025-05	EUR 700 Order No. CAEGC2025-06	EUR 600 Order No. CAEGC2025-07	EUR 500 Order No. CAEGC2025-08
Additional ONLINE conference tickets	EUR 350 Order No. CAEGC2025-09	EUR 350 Order No. CAEGC2025-10	EUR 300 Order No. CAEGC2025-11	EUR 250 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** including Live stream

Includes
- Conference room
- Video projector, refreshments
- Announcement in conference brochure and on web site with sponsor logo

Price	EUR 1,000 Order No. CAEGC2025-13

Sponsor Online-Workshop**

- Broadcast from your offices
- Participants join interactively via Zoom
- Announcement in conference brochure and on web site with sponsor logo

Price	EUR 700 Order No. CAEGC2025-14

Extras

Your brochure as a pdf document in the event app	EUR 500 Order No. CAEGC2025-15
TV Rental (TV stand included)	48": EUR 400 Order No. TV48

All prices exclude V.A.T.

* Logo placement: Conference flyer, cover pages and presentation during conference breaks, logo and weblink on web page and in email newsletters.

** only bookable when ordering a sponsor package.

carhs
Empowering Engineers

Order form – Fax +49 (0) 6023 / 96 40 70

Article Description	Order No.	Quantity	Unit Price	Total Price

carhs.training gmbh
Siemensstraße 12, 63755 Alzenau, Germany
Fax: +49 (0) 6023 / 96 40 70
E-Mail: info@carhs.de

COMMENTS (e.g. Placement requests, ...)

Our general terms and conditions apply, find under www.carhs.de/agb

* VAT ID only for orders from countries within the EU (excluding Germany).
All prices are in Euro and subject to VAT.

COMPANY

CONTACT

DEPARTMENT

PHONE

E-MAIL

STREET

ZIP CODE, CITY

COUNTRY

ADDITIONAL INVOICE DATA (OPTIONAL)

VAT ID*

DATE, SIGNATURE

COMPANY STAMP