

EVENT INFORMATION

Conference Language

The conference languages are English and German.

The German presentations will be translated simultaneously into English.

Presentation slides should preferably be created in English.

Conference Fees

	Registration before 31/12/2019	Registration from 01/01/2020	Students
2-day ticket (full conference)	630 €	730 €	200 €*
1-day ticket (Wed or Thu)	420 €	520 €	—

* Presentation of a certificate of study or a corresponding certification required

The conference fee includes admission to all conference sessions, catering, the conference dinner and conference proceedings.

For presenters and poster exhibitors (one person each), the conference fee will be waived.

There will be no compensation for travel and accommodation costs.

Registration

Online registration possible from 01/10/2019 – 28/02/2020 at: www.cvt-symposium.de

CALL FOR PAPERS

An **abstract** of your paper (at least 3.000 characters excluding diagrams and tables) related to one of the conference's main topics should be submitted **by July 28, 2019**.

Please submit your abstract via our conference management tool www.conftool.pro/cvt-2020/ as a PDF document.

Please make sure to use our template for the abstract. The template will be available for download via the symposium's website: www.cvt-symposium.de.

Contents

- Assignment to topic area
- Meaningful title
- Short description (incl. keywords)
- Data (name, address, company) of submitting author
- Language of the presentation

The Program Committee will decide on the acceptance and will categorize the submitted papers, which will then be presented either in English or German in 20-minute presentations.

Selected authors will then be asked to submit a full paper for the conference proceedings. The full paper should be 12 pages long (at minimum) and be submitted in English or German (with a separate abstract in English).

The full papers will be reviewed. The accepted contributions will be published by Springer.

Dates

- Submission of abstracts until July 28, 2019
- Author notification about the conference acceptance of the presentation on October 01, 2019
- Submission of the full paper until December 01, 2019
- Author notification about the acceptance of the full paper for the conference proceedings until January 08, 2020
- Submission of the final version possible until January 22, 2020

SPONSORING / EXHIBITION

The Commercial Vehicle Technology Symposium will be accompanied by a special **industry exhibition** offering companies and research institutes a great opportunity to present their products and services to an international audience of researchers and managers.

The exhibition will take place in parallel and in close proximity to the symposium held on the campus of the University of Kaiserslautern. It is freely accessible to presenters and conference participants.

In addition, we offer interesting **sponsoring packages** for companies in the categories platinum, gold and silver.

Further details about the exhibition and the sponsoring opportunities can be found at: www.cvt-symposium.de.

For further information, please contact:

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CONFERENCE ANNOUNCEMENT AND CALL FOR PAPERS



6th International Commercial Vehicle Technology Symposium Kaiserslautern

March 10 – 12, 2020

Technische Universität Kaiserslautern



commercial vehicle alliance
kaiserslautern



PREFACE

The commercial vehicle industry covers a wide spectrum, ranging from the truck sector via buses, agricultural and construction machinery to special vehicles used, for example, in forestry and wine-growing or municipal waste disposal businesses.

Vehicle requirements are often very similar, so it is hardly surprising that cross-industry synergies often arise in the development of new technical systems. As a result, present-day topics, such as the electrification and hybridization of vehicles or networked, assisted or autonomous driving and working, can make even faster progress.

In this context, the safety, reliability and robustness of vehicles and systems become increasingly important. In the development phase, this can be accommodated through the use of modern simulation methods; during operation, it can be monitored by applying appropriate diagnostic and monitoring strategies.

Commercial vehicles, however, remain primarily capital goods whose purpose is to handle certain tasks in an energy- and resource-efficient manner. New materials and manufacturing processes, such as additive manufacturing, make it possible to develop lighter products, with lower consumption, and to better match production processes to the variety of variants and/or small lot sizes.

The 6th Commercial Vehicle Technology Symposium will address the aforementioned topics, bridging the gap between research and industrial application. In addition to interesting specialist contributions from science and industry, the participants will be able to visit the accompanying exhibition in the foyer and in the outdoor area. The breaks between the individual sessions as well as the evening event with the conference dinner will also provide ample opportunities for personal discussions and the expansion of the participants' own network.

We, the organizers and the program committee, look forward to your paper and presentation proposals!



Prof. Dr.-Ing. Roman Teutsch
Commercial Vehicle Alliance, Sprecher der Organisatoren und des Programmausschusses

TARGET GROUPS AND TOPICS

The CVA is inviting professionals from industry and academia from the domains 'trucks, buses, agricultural machinery, construction machinery, special-purpose vehicles' to actively participate in this conference and to submit presentation proposals for the topic areas listed below.

Energy and Resource Efficiency

- Sustainable products and processes
- Innovative drives, alternative fuels
- Consumption optimization, operating strategies

Safety, Reliability and Durability

- Functional safety and software quality
- Durability, reliability and robustness
- Usage variability, load data analysis and design load targets

Assisted and Automated Driving and Working

- Semi-automated, highly and fully automated systems
- Car-to-car/car-to-infrastructure coupling
- Human-machine interaction

Simulation and Testing Methods

- Multi-discipline system simulation, co-simulation
- Innovative testing approaches
- Real-time simulation, driving simulators, HiL, SiL

Connected Systems and Services

- Connected driving and working
- Monitoring, remote diagnostics and predictive maintenance
- Fleet management, logistic systems

Innovative Methods and Concepts

- Vehicle and mobility concepts of the future
- Virtual and augmented reality
- Lightweight construction, bionics, new production technologies
- Ergonomics, ride comfort, NVH

ORGANIZERS

Program Committee

- Prof. Dr. K. Berns, TU Kaiserslautern
- A. Brand, BPW Bergische Achsen, Wiehl
- Dr. A. Diehl, Grammer, Amberg
- Dr. K. Dreßler, Fraunhofer ITWM, Kaiserslautern
- Prof. Dipl.-Ing. Dr. techn. H. Eichlseder, TU Graz (A)
- Dr.-Ing. U. Faß, Volvo Construction Equipment, Konz
- Prof. Dr.-Ing. D. Görge, TU Kaiserslautern
- Prof. Dr.-Ing. M. Günthner, TU Kaiserslautern
- Prof. M. Hall, The University of Texas at Austin (USA)
- Prof. Dr.-Ing. T. Herlitzius, TU Dresden
- T. Ille, MAN Truck & Bus, München
- R. Kalmar, Fraunhofer IESE, Kaiserslautern
- Dr.-Ing. M. Kleer, Fraunhofer ITWM, Kaiserslautern
- Prof. M. Lidberg, Chalmers University of Technology, Gothenburg (S)
- Prof. Dr.-Ing. P. Liggesmeyer, Fraunhofer IESE, Kaiserslautern
- K. Meißner, Terex Cranes Germany, Zweibrücken
- Dr.-Ing. M. Mohr, ZF Friedrichshafen
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- Dr. F. Sager, Alois Kober, Kötz
- E. Schobesberger, Liebherr-EMtec, Kirchdorf
- Dr. M. Speckert, Fraunhofer ITWM, Kaiserslautern
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- Prof. Dr.-Ing. R. Teutsch, TU Kaiserslautern
- Dr. M. Thul, CVC, Kaiserslautern
- Dr. G. Töpfer, Deutz, Köln
- Dr.-Ing. C. Weber, Daimler, Würth
- J. Weiland, Motec, Hadamar-Steinbach
- M. Wildhagen, SchmitzCargobull, Altenberge

Organizers

Commercial Vehicle Alliance (CVA)

(Umbrella organization)

- Center for Commercial Vehicle Technology (ZNT) TU Kaiserslautern
- High Performance Center Simulation and Software-Based Innovation - »Digital Commercial Vehicle Technology« Fraunhofer ITWM/Fraunhofer IESE
- Commercial Vehicle Cluster Südwest (CVC)

PRELIMINARY PROGRAM

Tuesday, March 10, 2020

6:00 p.m. Welcome and opening of exhibition, refreshments

Wednesday, March 11, 2020

9:00 a.m. Official opening
Presentations in topic groups until approx. 5.30 p.m.

7:00 p.m. Conference dinner

Thursday, March 12, 2020

9:00 a.m. Presentations in topic groups
4:30 p.m. End of event

On both conference days:

- Accompanying exhibition of industry booths, poster sessions and product presentations
- High-ranking managers and senior engineers will report on new trends and innovations for commercial vehicles, busses, agricultural or construction machinery and special purpose vehicles

