

# cti symposium

AUTOMOTIVE • POWERTRAIN • SYSTEMS

08/09  
DEC  
2026  
BERLIN



[cti-symposium.world/de](http://cti-symposium.world/de) | #CTI\_sym

# ENGINEERING EFFICIENCY IN A COMPLEX AUTOMOTIVE WORLD



“For every complex problem, there is an answer that is clear, simple and wrong”. An aphorism that also applies to the situation we currently find ourselves in: Global competition, geopolitical shifts, and diverging market dynamics – particularly in the US, China and India – are reshaping the long-held certainties of automotive development at an unprecedented pace. At the same time, manufacturers and suppliers are confronted with rising cost pressure, accelerated innovation cycles, and the rapid integration of digital technologies across the entire vehicle lifecycle.

Thus, it is more important than ever to think clearly about the challenges ahead, to get insights into the latest technological developments and to critically discuss potential paths ahead while avoiding to fall for solutions that are everything but simple. In line with these objectives, the upcoming 2026 CTI Symposium will focus on:

- The latest advances in powertrain technology
- AI-based methods to accelerate development processes
- Cost reduction through digital and virtual engineering
- System-level optimisation under economic and time constraints

True to its heritage, the CTI SYMPOSIUM remains a leading platform for manufacturers, suppliers, engineering service providers, software developers, and technology experts worldwide. The team at CTI is looking forward to your contributions to the CTI SYMPOSIUM in Berlin.

## Prof. Dr Malte Jaensch

Chair of Sustainable Mobile Drivetrains  
TUM School of Engineering and Design  
Technical University of Munich &  
Chairman of the CTI SYMPOSIUM Berlin

INTERNATIONAL  
DELEGATES,  
EXHIBITORS & SPEAKERS

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OEMS & SUPPLIERS

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PLENARY SPEECHES

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PANEL DISCUSSIONS

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TECHNICAL DEEP DIVES

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VALUABLE INSIGHTS

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START-UPS

# IMPRESSIONS 2025

20+  
COUNTRIES



650+  
INDUSTRY  
REPRESENTATIVES



START-UP  
AREA &  
PITCHES



80+  
EXPERT LECTURES  
AND PANELS



25h  
CONTENT &  
NETWORKING



70+  
EXHIBITORS

# MAIN FOCUSES

## MARKETS, POLICIES AND STRATEGIES

- International Market Trends
- Affordability of BEVs
- Trends in Consumer Behaviour
- Doing Business with India
- Sustainability and Circularity
- Supply Chain Resilience
- Learning from China

## ENERGY AND MOBILITY

- Alternative Energy Carriers
- Hydrogen, HVO and E-Fuels
- Integration of BEVs into the Energy System
- Charging and Refuelling Infrastructure
- Vehicles as Part of the Energy Transition
- Sustainability in Powertrain Design
- Assessment of Environmental Impacts

## ELECTRIC POWERTRAINS

- Powertrain Design
- Vehicle Platform Concepts
- Vehicle Integration
- Integrated Cooling Concepts
- Component Integration
- Performance Optimisation
- Acoustics and NVH

## ELECTRIC MOTORS

- Electric Motor Topologies
- Design of Electric Motors
- Sustainability in EM Design
- High-Speed Concepts
- In-Wheel Motors
- Cooling of Electric Motors
- Winding Technology

## HYBRID POWERTRAINS

- Powertrain Topologies
- HEV Powertrains
- PHEV Powertrains
- Operating Strategy
- Energy Management
- Performance Optimisation
- Range Extenders

I'm glad to answer your questions

**Sylvia Zenzinger**

Conference Director

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# MAIN FOCUSES

## COMMERCIAL VEHICLE POWERTRAINS

- xEV Powertrains
- Military Vehicle Powertrains
- Electric Axles
- (Hydrogen) Combustion Engines
- Megawatt Charging
- High-Voltage Architectures Beyond 800 V
- Multispeed Transmissions for Commercial Vehicles

## TRACTION BATTERIES

- Cell Chemistries
- Battery Management Systems
- Strategies for Fast Charging
- Battery Architectures
- Cost Reduction
- Battery Integration
- Battery Cooling

## POWER ELECTRONICS

- Power Electronic Topologies
- Integration in E/E Architecture
- Switching and Control Strategies
- Performance Optimisation
- Multi-Level Architectures
- Three-Level Architectures
- SiC and GaN Semiconductors

## AUTOMOTIVE TRANSMISSIONS

- BEV Transmissions
- Multi-speed Transmissions
- CVT Transmissions
- Disconnects and Shift Elements
- Efficiency Optimisation
- Cooling Strategies
- NVH and Acoustics

## OPERATING STRATEGY, ENERGY AND THERMAL MANAGEMENT

- Operating Strategies for xEVs
- Thermal Management Systems and Strategies
- Energy Management Strategies
- Coolant System Design
- AI-Assisted Management Strategies
- Coolant System Architectures
- Performance Optimisation

# MAIN FOCUSES

## COOLING FLUIDS AND LUBRICANTS

- Powertrain Cooling Fluids
- Transmission Fluids
- Multipurpose Fluids
- Environmental Impact Reduction
- Water-Based Lubricants
- Tribology
- Measurement and Testing

## ARTIFICIAL INTELLIGENCE IN POWERTRAINS

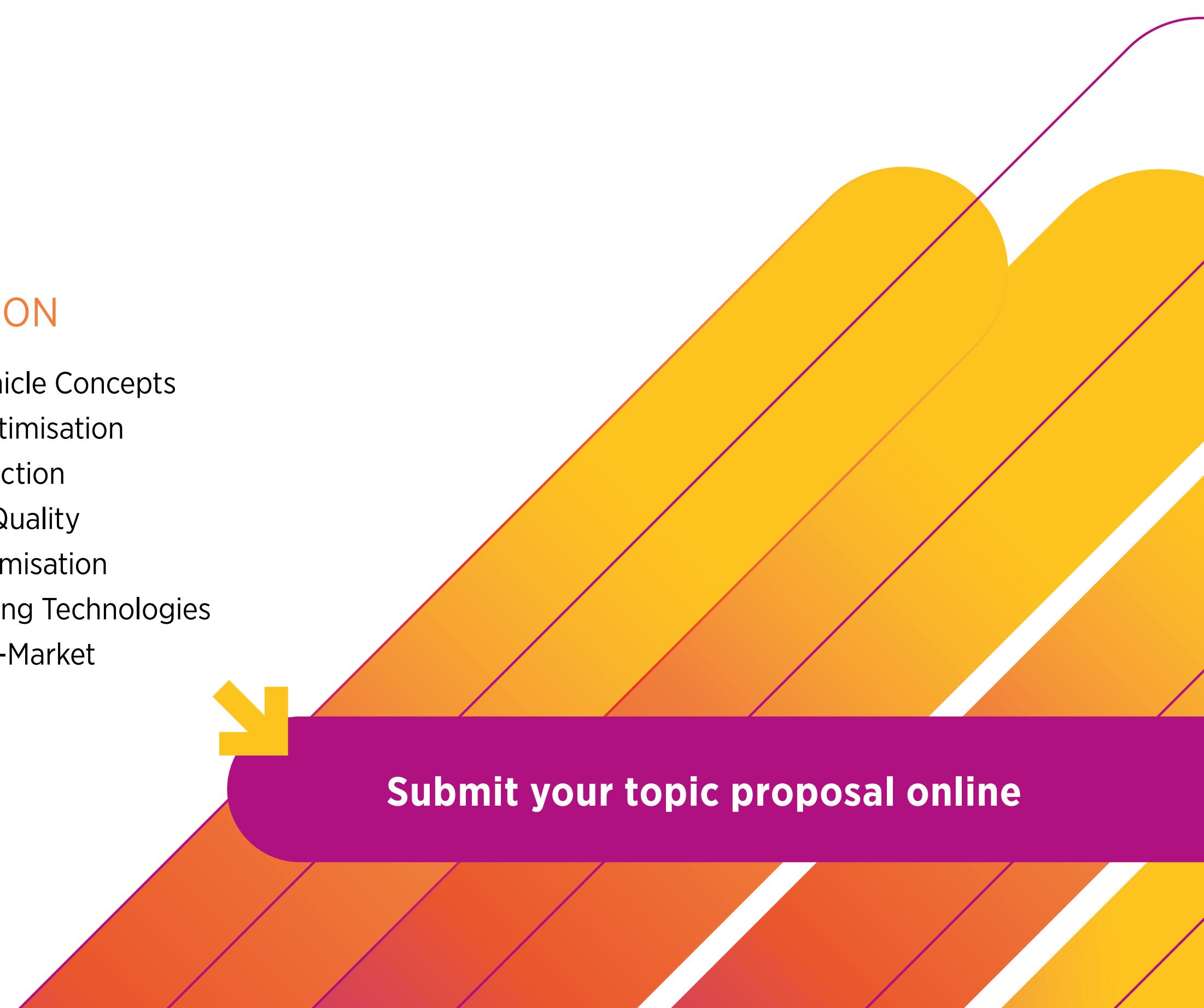
- AI in Powertrain Development
- AI in Powertrain Control
- AI in Data Analysis and Testing
- AI Tools and Methods
- Novel Applications of AI in Powertrains
- Design Optimisation using AI
- Case Studies

## VIRTUAL DEVELOPMENT PROCESSES

- Methods and Tools for Accelerated Development
- Software Defined Vehicle
- AI-Enabled Development Methods
- Virtual Prototyping and Testing
- Digital Twins in the Development Process
- Model Based System Engineering
- Fleet Data Analyses

## COST REDUCTION

- Cost-Effective Vehicle Concepts
- Platform Level Optimisation
- System Cost Reduction
- Cost vs. Time vs. Quality
- Supply Chain Optimisation
- Novel Manufacturing Technologies
- Reducing Time-to-Market



Submit your topic proposal online

# BE PART OF THIS #1 BUSINESS PLATFORM

**DEADLINE**  
**01 APRIL 2026**

## PARTICIPATE AS SPEAKER

Experts of all development areas in the field of automotive drivetrains, components like e-motors, batteries, electric/electronics, semiconductors and software but also experts in function integration, system engineering are invited to hand in a paper proposal for CTI SYMPOSIUM GERMANY 2026.

## HOW TO HAND IN YOUR PAPER PROPOSAL

Paper proposals should be submitted via our online form at  
[cti-symposium.world/de/cfp](http://cti-symposium.world/de/cfp)

Due to the broad range of topics multiple entries are possible.

## CRITERIAS

Submissions will be evaluated based on criterias such as:

- Topic's importance in relation to the conference theme and audience
- Short (!) explanation why the topic is important and objective
- Description of the technical background, which new topics/knowledge are conveyed to the audience

- Presentation of case studies or application results
- Customer involvement is highly encouraged
- Advantages and benefit over existing solutions
- Future outlook

## **Selection criteria**

- Topic submissions are evaluated by the advisory board according to their technical content and relevance to the conference topic and target group.
- This evaluation forms the basis for acceptance and allocation in the program.
- The allocation of presentations and times will be determined during the preparation of the programme depending on the topics to be covered.
- Commercial presentations will not be accepted.

## IMPORTANT DATES

Information of the authors about the advisory board's decision:

**Mid of August**

Deadline for presentation material submission:

**Mid of October**

## **If your topic is accepted:**

The following documents are mandatory to be handed in for the conference:

- Job history (format will be provided)
- Digital photo (color, high resolution)
- Presentation slides (formats and masters will be provided)
- 1 page topic summary (format will be provided)
- Presentation duration: 20min + Q&A
- All documents are required in English.
- One speaker per presentation has free access to the event.

The advisory board endeavours to evaluate the submitted entries objectively. The members of the advisory board use a points-based evaluation system and provide feedback on the content. The sum of the points and feedback leads to the selection of the presentations for the programme.

We ask for your understanding that due to the limited number of presentation slots, unfortunately not all attractive topics can be included in the programme.



**CTI SYMPOSIUM GERMANY  
ADVISORY BOARD**

# CTI SYMPOSIUM EXPO 8 & 9 DECEMBER 2026

START-UP AREA



INCREASE  
BRAND  
AWARENESS



CONNECT  
WITH THE  
RIGHT PEOPLE



EXPO STAGE

EXPERT  
VIDEO



GENERATE  
QUALITY  
B2B LEADS



INITIATE  
BUSINESS



SHOWCASE  
YOUR  
TECHNOLOGY  
AND SERVICES



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THE EXPO IS FILLING UP QUICKLY – SECURE YOUR SPOT NOW!



APPLY NOW: CTI EXPO FLOOR PLAN

# START-UP AREA

As part of the event, CTI offers Start-ups the opportunity to participate in our dedicated Start-Up Area:

- **650+ international** decision-makers and experts from automotive manufacturer and supplier R&D
- **Showcase** your innovation in the **Start-up Area** with optimal **visibility**
- **Start-up Pitch:** introduce your company
- **Your company profile on our website**
- **Bonus:** publish an article on our website
- **Exchange with experts: 80 specialist presentations** about markets, trends, strategies, technologies such as e-drives, e-motors, batteries, thermal management, virtual development processes and man more
- **Various package and ticket options**



More Information



Let's get in touch!  
**Sylvia Zenzinger**  
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# WOMEN @ CTI NETWORKING

At CTI, we're committed to **empowering women** in the automotive sector! We don't just want to raise **awareness and visibility** for women in the industry, but also create practical pathways for everyone to help build a more inclusive industry.

Get ready for an incredible lineup of events that you won't want to miss!

- Engaging roundtables
- Networking breaks for connection
- Exchange with international industry peers from a variety of sectors

... and that's not all!

Together, we're driving progress and innovation towards a future where diversity and inclusion fuel success.  
**Got ideas for topics or want to jump in as a moderator? We'd love to hear from you!**



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# cti symposium

AUTOMOTIVE • POWERTRAIN • SYSTEMS

International Congress and Expo | 8 & 9 December 2026 | Estrel Hotel Berlin, Germany

**Register now**

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You can find our terms and conditions online at: <http://cti.euroforum.de/en/agb>

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