

cti symposium^{us}

19 – 20 May 2026, NOVI (MI), USA | CONGRESS & EXPO

**CALL
FOR
PAPERS**



cti-symposium.world/us | #CTI_sym

DRIVING TOMORROW – POWERTRAIN & MOBILITY REDEFINED

CTI SYMPOSIUM USA IS THE KEY MEETING POINT FOR GLOBAL FORWARD THINKERS IN AUTOMOTIVE POWERTRAIN DEVELOPMENT – FROM PASSENGER CARS TO HEAVY-DUTY VEHICLES.

Powertrain electrification continues to advance in the North American market, albeit more diversely than expected. There will be no “one-drive-fits-all” solution, but rather the entire range from ICE to BEV, depending on customer needs – whether for passenger cars or commercial vehicles. With the EREV, a new type of high-performance range-extender hybrid has emerged lately, combining the benefits of both BEVs and ICEs. The variety of powertrain solutions is increasing!

For the CTI SYMPOSIUM USA 2026, we invite OEMs, suppliers, engineering services, start-ups, and research institutions who are working on the **redefinition of automotive powertrains and mobility** to submit your topic proposal. We will continue to explore advancements in Internal Combustion Engine (ICE), **Battery Electric Vehicle (BEV)**, and **Hybrid Vehicle** technologies, with a focus on **drivetrain systems, e-motors, power electronics, and battery systems**.

New in 2026: Smart Chassis Meets Smart Powertrains

Moreover, for the first time, CTI USA will spotlight innovations in chassis-powertrain integration, from motion control strategies, steer-by-wire and brake-by-wire to active suspension systems and integrated development methods. Why now? Because chassis and electric powertrains share common challenges: precise motor control, real-time responsiveness, and the highest levels of functional safety.

Your groundbreaking ideas will influence the industry

We are looking for cutting-edge, practical, and visionary contributions. Share your solutions, showcase a case study, and challenge the status quo in front of 400+ decision-makers, engineers, and researchers!

Drive Innovation. Share Insights. Be Part of the Change.

Patrick Lindemann

President, E-mobility & Chassis Mechatronics Americas,
Schaeffler Group USA Inc.

Chairman CTI SYMPOSIUM USA

6 STRONG REASONS TO SPEAK AT CTI SYMPOSIUM

IMPACTFUL NETWORKING
PERSONAL BRANDING
INDEPENDENT PLATFORM
STRATEGIC & TECHNICAL FOCUS
ACCESS TO DECISION MAKERS
GLOBAL INDUSTRY VISIBILITY



IMPRESSIONS 2025



25h
of Content &
Networking



60+
Expert Lectures



12h+
Networking
Hours



20+
Countries



40+
Exhibitors

450+
Industry
Representatives



BE PART OF THIS #1 BUSINESS PLATFORM

PARTICIPATE AS SPEAKER

Experts of all development areas in the field of automotive propulsion systems for passenger cars and commercial vehicles, components like e-motors, electric/electronics, semiconductors, function integration, system engineering are invited to hand in a paper proposal for the CTI SYMPOSIUM USA 2026.

HOW TO HAND IN YOUR PAPER PROPOSAL

Paper proposals should be submitted via our online form at **cti-symposium.world/us/cfp**

To help us assess your proposal, please make your topic description as precise, clear and succinct as possible. Be sure to include the objective, field of application, technology and method, and to explain the advantage over existing solutions. Do not include commonplace or well-known background information.

The following presentation documents are mandatory if your paper proposal is accepted for the program:

- Job history
- Presentation slides (formats and masters will be provided)
- 1 Page qualified summary (requirements will be provided)
- Digital photo (color, high resolution, jpg)

A presentation takes about 20 minutes plus Q&A. Per presentation one speaker is invited to join the CTI SYMPOSIUM USA main days (19 – 20 May 2026) for free. Due to the broad range of topics multiple entries are possible.

In case of any questions do not hesitate to contact



Sylvia Zenzinger
Conference Director
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IMPORTANT DATES

Deadline for paper
proposal submissions
30 September 2025

Information about
paper proposal evaluation results
Begin of February 2026

Publishing date of the program
February 2026

Deadline for
presentation material submission
Mid of April 2026

Main event days
lecture program, exhibition,
CTI Ride & Drive
19 – 20 May 2026

MAIN FOCUSES

MARKETS, POLICIES AND SUSTAINABILITY

- International Market Trends
- Affordability of BEVs
- Trends in Consumer Behaviour
- International Policy
- Circularity
- Life-Cycle Assessments
- Sustainable Supply Chains

ENERGY AND MOBILITY

- Liquid and Gaseous Energy Carriers
- Integration of BEVs into the Energy System
- Bidirectional Charging
- 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
- Synthetic Fuels

MAIN FOCUSES

COMMERCIAL VEHICLE POWERTRAINS

- BEV Powertrains
- Hybrid and FCEV Powertrains
- Electric Axles
- (Hydrogen) Combustion Engines
- Megawatt Charging
- High-Voltage Architectures Beyond 800 V
- Multispeed Transmissions for Commercial Vehicles

AUTOMOTIVE FUEL CELLS

- Fuel Cells
- Fuel Cell Systems
- Auxiliary Components
- Control of Fuel Cell Systems
- Degradation
- Performance Optimisation
- Vehicle Integration

TRACTION BATTERIES

- Cell Chemistries
- Battery Management Systems
- Recycling and 2nd Life
- Battery Cooling
- Battery Safety
- Strategies for Fast Charging
- Battery Architectures (Battery System Design)
- Battery Ageing

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

- Single-Speed Transmissions
- Multi-Speed Transmissions
- CVT Transmissions
- Disconnects and Shift Elements
- Efficiency Optimisation
- Cooling Strategies
- NVH and Acoustics

CHASSIS AND ELECTRIFIED POWERTRAIN INTEGRATION

NEW

- Interaction of chassis systems with e-powertrains
- Integration of steer-by-wire and brake-by-wire
- Motion control strategies
- Chassis & energy efficiency
- Virtual development, functional safety, and testing

MAIN FOCUSES

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

COOLING FLUIDS AND LUBRICANTS

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

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 (MBSE)
- Fleet Data Analyses

COST REDUCTION

- Total Cost of Ownership Analyses
- Platform Level Optimisation
- System Cost Reduction
- Trade-Offs between Cost Elements
- Cost vs. Time vs. Quality
- Supply Chain Optimisation
- Novel Manufacturing Technologies



Find more details on our website

CTI RIDE & DRIVE | 19 & 20 MAY 2026

Experience the latest powertrain technologies up close at the CTI Ride & Drive parcours.

Enjoy a full-feature tech experience in series and demo vehicles – and deepen your understanding in dialog with specialist vehicle engineers.

Showcasing at the CTI Ride & Drive

Make a lasting impression on peers and potential clients – with a hands-on experience of your development work that adds a new dimension to your lecture or virtual presentation.

For automobile manufacturers, system and component suppliers, showing a dedicated vehicle at the CTI Ride & Drive parcours is the ideal way to make their vehicle tech and applications stand out.

For questions contact
stephanie.segers@car-training-institute.com



Find more details on our website



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

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