The optimal path to efficient, carbon neutral power- and drivetrains in a decade of great challenges

International Congress and Expo
8 – 9 December 2020
All lectures will be held in the time zone CET.

www.drivetrain-symposium.world/de
All areas of life are being heavily impacted by Covid-19. This includes all economic sectors and the automotive industry, as well as our Symposium, which will be held this year as a digital live event in a high quality format.

Forecasts for 2020 predict a worldwide reduction in passenger and light duty vehicle production volumes of 23% compared to the previous year. This new reality comes at a time when the automotive industry is still restructuring around the topics of carbon-neutral mobility, digitalization and autonomous driving. The new situation adds additional pressure to the uncertainties of this transformation, particularly with regard to propulsion systems, emission regulations and the global automotive market.

Our Symposium will address all these challenges in two panel discussions on “The new reality after Corona” and “BEV vs. FCEV – Which technology is future proof?” as well as in multiple plenary and session presentations.

We look forward to your participation in CTI SYMPOSIUM GERMANY 2020 DIGITAL, where we will gain insights into the future path of the drivetrain world, together with industry-leading experts.

FEATURED EXPERTS I.A.

**Dr Jörg Stratmann**  
Chairman of the Management Board and CEO, MAHLE Group, Germany

**Dr Joachim Damasky**  
Managing Director, Technology and Environment, VDA, Germany

**Toshihiro Hirai**  
Senior Vice President, Nissan Motor Corporation, Japan
Take your business to a new level

A community is all about networking. That’s why CTI SYMPOSIUM GERMANY DIGITAL especially focuses on targeted and interest-based linking with participants. Take this opportunity to network with your target group for valuable contacts. Insights and advantages of the new digital platform will include:

- **VALUE ADDED**: Live and interactive, and on-demand for extended availability of content.
- **NETWORKING**: Virtual 1-on-1 meetings and face-to-face video calls. Matchmaking tools to find your dedicated peers arranging appointments. Speed Dating – interest-based chat or meeting arrangements.
- **DIGITAL PRODUCT PLACEMENT**: Multiple presentation options for your products and company via video, pdf or live presentation. Networking in combination with automatic matching for targeted contacts.
- **EFFICIENCY**: Timetable adapted for optimal online participation and networking from office, home or on the go.
- **PERSONALISED PROGRAMME**: Select your preferred lectures and compile your personalised program. Add them to your calendar and receive reminders.
- **LIVE AND ON DEMAND**: Don’t miss content: Extended availability of documents as well as live and pre-recorded lectures during & after the event (according to speaker’s permission).

**YOUR CONTACT FOR MORE INFORMATION**

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**Timetable**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
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<tbody>
<tr>
<td>9.00</td>
<td>Opening of the CTI SYMPOSIUM GERMANY 2020 DIGITAL Welcome address, Plenary speeches</td>
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<tr>
<td>10.15</td>
<td>Networking break and visit of the digital partner presence</td>
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<tr>
<td>10.45</td>
<td>Plenary speeches, panel discussion</td>
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<tr>
<td>12.00</td>
<td>Networking break, lunch and visit of the digital partner presence</td>
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<td>12.45</td>
<td>Parallel sessions</td>
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<tr>
<td>1.45</td>
<td>Networking break and visit of the digital partner presence</td>
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<tr>
<td>2.15</td>
<td>Parallel sessions</td>
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<tr>
<td>3.15</td>
<td>Networking break and visit of the digital partner presence</td>
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<tr>
<td>3.30</td>
<td>Plenary speech/Summary by the chairman</td>
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<tr>
<td>4.00</td>
<td>End of day</td>
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</tbody>
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8 DECEMBER 2020 // 9 DECEMBER 2020
HYBRID DRIVES AND TRANSMISSIONS

KEYNOTES
MAHLE’s contribution to the defossilisation of the transport sector
Dr Jörg Stratmann, Chairman of the Management Board and CEO, MAHLE Group, Germany

Magna’s view on the changing role of the powertrain in LCVs and PVs
Tom Rucker, President, Magna International, USA

EXPERT LECTURES

CONTRIBUTERS
Mercedes-Benz, Honda, Magna Powertrain, Schaeffler, GKN, BorgWarner, Flanders Make, TU Graz

THE NEW REALITY AFTER CORONA
GLOBAL VIEW ON DRIVE SYSTEMS AND EMISSIONS

KEYNOTE
Is there a paradigm shift in drivetrain technology? Trends and expectations with and without Corona
Prof. Dr Thomas Koch, Head of the Institute for Combustion Engines, Karlsruhe Institute of Technology (KIT), Germany

EXPERT DISCUSSION
Toshihiro Hirai, Senior Vice President, Nissan Motor Corporation, Japan
Dr Joachim Damasky, Managing Director, Technology and Environment, VDA, Germany
Stefan v. Schuckmann, Executive Vice President, Car Powertrain Technology, ZF Friedrichshafen AG, Germany

E-DRIVES AND COMPONENTS

KEYNOTE
Challenges in system-oriented design of electric drives
Prof. Dr Markus Henke, Managing Director Institute for Electrical Machines, Traction and Drives (IMAB), TU Braunschweig, Germany

SPOTLIGHT
Formula E and its impact on e-mobility
Gerd Mäuser, Chairman, Jaguar Racing, UK
Oliver Blamberger, Managing Director, Compact Dynamics, Germany
Lucas Di Grassi, FIA Formula E World Champion, and Member of the Board, Roborace, UK

EXPERT LECTURES

CONTRIBUTERS
BMW, Volvo, ZF, Zhejiang, APL, Compact Dynamics, AVL, Escalent, IAV, Protee Electric, Hofer, Technische Universität Braunschweig, Akasol
FUEL CELL DRIVES

KEYNOTE
The future of hydrogen as an energy carrier and its application in vehicles
Dr Wolfgang Warnecke, Chief Scientist Mobility, Shell Global Solutions, Germany

EXPERT DISCUSSION
The role of hydrogen and electrification towards Zero Emission Mobility
Dr Stephan Herbst, Technical General Manager Hydrogen, Toyota Motor Europe, Belgium
Konstantin Neiß, Director, R&D Transmissions & eDrives, Daimler AG, Germany
Felix Horch, Head of Electromobility, Fraunhofer Institute for Manufacturing Technology and Advanced Materials (IFAM), Germany

EXPERT LECTURES
Hydrogen properties and its production // Infrastructure and strategy // State of fuel cell stack development // Vehicle application and integration

CONTRIBUTERS
Mercedes-Benz, Iveco, Shell, Toyota

EXPERT LECTURES
AMT // Electrified transmissions // E-axes // E-drive with torque converter

CONTRIBUTERS
Scania, AVL, Ricardo, FEV

COMPONENTS AND FLUIDS

EXPERT LECTURES
Shift elements for BEV/HEV Transmissions // Torque Sensors // Next generation fluids for lubrication and thermal management for BEVs

CONTRIBUTERS
Hoerbiger, NSK, Diehl, Castrol, Fuchs, Mubea/Karlsruhe Institute of Technology IPEK/KACO/Miba, Petronas, Shell

VIRTUAL DEVELOPMENT

EXPERT LECTURES
DHT // E-Drive // EM // AI-based clutch control // Cloud based optimisation

CONTRIBUTERS
BMW, Valeo, AVL, Vitesco, IAV

Always up-to-date – your online agenda
Your personal registration code

Early Bird Price (until 25 September 2020) ............. 1,000 €* [P2300528 M788]
Regular Price ....................................................... 1,100 €* [P2300528 M788]
* excl. VAT per person. A substitute may attend in your place at no additional cost.

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