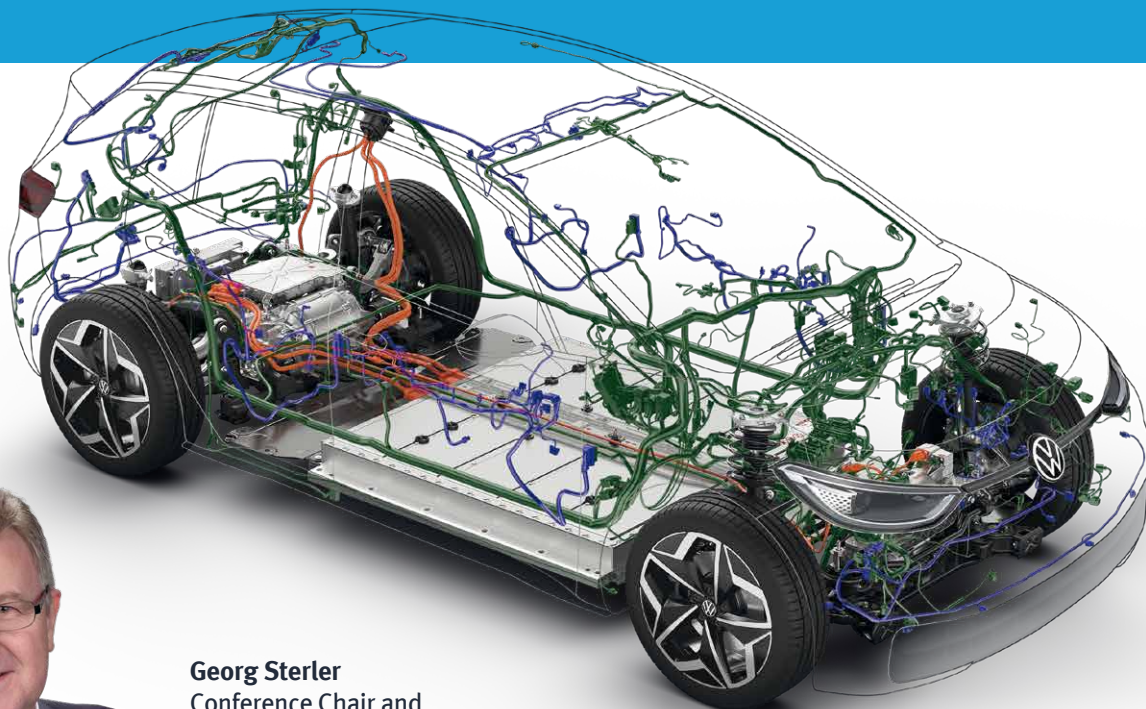


AUTOMOTIVE WIRE HARNESS

and Electrical Distribution System

ONLINE EVENT

**30 September and
1 October 2020**



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Georg Sterler
Conference Chair and
Chairman of the Advisory Committee

ON THE WAY TO THE AUTOMATED WIRE HARNESS

- » architectural concepts
- » automation
- » compatible components for production
- » manageable complexity
- » intelligent signal transmission
- » robust power supply

WITH PRESENTATIONS BY

ARENA2036, BMW, CONTI FASTENERS,
COROPLAST, DAIMLER, DRÄXLMAIER,
HUBER+SUHNER, INTEDIS, KROMBERG
& SCHUBERT, LEONI, MD ELEKTRONIK,
ROSENBERGER, SEI ANTECH,
STMICROELECTRONICS, TE CONNECTIVITY,
TRACKWISE, VOLKSWAGEN, ZVEI

ONLINE SPONSORS



LEONI



ONLINE
EVENT

THE BIG INDUSTRY MEETING: AUTOMOTIVE WIRE HARNESS AND ELECTRICAL DISTRIBUTION SYSTEM 2020

Be part of the community! Collect first hand information, gain new impulses and make top-class contacts!

In the year 2020, the 8th International Conference **Automotive Wire Harness and Electrical Distribution System** – powered by Süddeutscher Verlag Veranstaltungen – will present the latest trends and challenges of the industry: Resource conservation, intelligent signal transmission, new architectural concepts, robust power supply and manageable complexity. Thanks to the active support of the advisory committee we have again organized an attractive and well-conceived program with many international speakers from the leading automotive manufacturers.

In addition to top-class speakers, the online event offers also exklusive networking possibilities with the experts. In the breakout sessions you can discuss your topics in small groups.

Also personal face-to-face interviews with the advisory board, speakers, exhibitors and participants are easy and via video chat comfortably possible. Please look forward to our professional chat roulette: Here a participant is randomly assigned to you by a logarithm. Within a few minutes you can get to know each other and exchange ideas. This makes networking even more fun!

During the breaks you also have the opportunity to exchange ideas intensively with our exhibitors. What innovations are there on the market? What are the challenges in the next few months? This event brings all experts of automotive wire harness and electrical distribution systems together.

We look forward to welcoming you at the event and hope you gain lots of new inspirations and enjoy some fruitful discussions!



Georg Sterler
Former Head of Wire
Harness System
Development AUDI



Andras Hetenyi
Conference Manager
Süddeutscher Verlag
Veranstaltungen



Reception



Stage



Sessions



Networking



Exhibition



CHAIRMAN OF THE ADVISORY COMMITTEE

Georg Sterler
Former Head of Wire
Harness System
Development
AUDI



Frank Dambacher
Head of Wiring System
PORSCHE



Peter Doubek
Head of Physical
Wiring System
BMW



Udo Hornfeck
CTO and Member of
the Executive Board
Wiring Systems Division
LEONI



Dr. Rainer König
Senior Manager
Wire Harness and DMU
DAIMLER



Dr. Wolfgang Langhoff
CDO
KROMBERG & SCHUBERT



Dr. Ole Mende
Development/Construction
Automotive Wire Harness
Components
AUDI



Ralf Milke
Head of Electrical &
Mechatronic Systems
VOLKSWAGEN



Christian Schäfer
Director Electrical and
Electronic Systems
APTIV



Georg Scheidhammer
Managing Director
Engineering Technology
DRÄXLMAIER



Hajo Wetzel
Director CoE Embedded
Software Technology &
Security
TE CONNECTIVITY



8.45 a.m.

WELCOME AND INTRODUCTION OF THE TOOL: NETWORKING, PRESENTATIONS AND EXHIBITION



Georg Sterler
Conference Chair and
Chairman of the Advisory Committee

9.00 a.m.

The modular high-voltage kit MEB
VOLKSWAGEN



Andreas Boy
Teamleader Electrical Systems and
Projects

Topics: The new ID. family | The
unshielded high-voltage harness |
Requirements for components and
systems

9.30 a.m.

**The wiring harness in the area of conflict
between sustainability and costs**
DRÄXLMAIER



Dr. Klaus Specht
Head of Benchmark

Topics: Exemplary CO₂ balance of a
wiring harness | Shares and leverage
effects in the carbon footprint |
Potentials by material substitution,
recycling, energy sources

10.00 a.m.

**Sumitomo's E/E architecture concept for
future vehicle**
SEI ANTECH-EUROPE



Dr. Yasuhiro Hattori
Executive Chief Engineer

Oliver Weiß
General Manager

Topics: E/E architecture concept |
Wiring harness design: 3-layer concept |
Key enablers



10.30 a.m.

**Validation and long-term control of
complexity doing customer-specific
harness releases**
BMW



Peter Pfeil
Head of Electrologic,
Configuration wiring harness

Topics: Current challenges of
development release process | Risk
minimization and applied validation
methods | Mechanism for long-term
control of release complexity

11.00 a.m.

**BREAK AND NETWORKING WITH THE
EXHIBITORS AND PARTICIPANTS VIA
VIDEOCHAT. HAVE FUN ALSO WITH OUR
CHAT-ROULETTE!**

1.00 p.m.

**Complexity in power distribution
imposed by continuously rising
requirements – derivation, assessment
and solutions**
INTEDIS and LEONI



Dr. Peter Grabs
CTO of INTEDIS

Lars Nilsson
Head of Tech Center Energy & Data
Solutions at LEONI

Topics: Evaluation of power distribution
concepts with respect to availability,
functional safety and functional
partitioning | Derivation of scalable
concepts and assessment of the resulting
complexity in the power distribution
components | Available and scalable
solutions for safe, reliable, and smart
power distribution



1.30 p.m.

**Innovation initiative wire harness:
Joined efforts within ARENA2036
towards automation**

ARENA2036



Georg Schnauffer
Research Coordinator Industrie 4.0



Wolf Rumpelt
Head of Project Office Innovation
Initiative Wire Harness

Topics: Strategic Challenge: Automation
of wire harness engineering, production
and assembly | Level of Automation:
Steps toward after tomorrow |
Innovation Initiative Wire Harness:
Goals, core subjects, preliminary
results, partner, ways to join

2.00 p.m.

**The path to fully automatic cable
assembling for the onboard high power
network**

ROSENBERGER HOCHFREQUENZTECHNIK



Martin Zebhauser
Vice President Business Area
Automotive



Tobias Huber
Head of international process
development – assembly

Topics: Lessons learned from data
connector assembly | The basics and
different levels of Automation | Outlook

5 MINUTE-INTRODUCTION OF THE EXHIBITORS



3.00 p.m.

**BREAK AND NETWORKING WITH THE
EXHIBITORS AND PARTICIPANTS VIA
VIDEOCHAT. HAVE FUN ALSO WITH OUR
CHAT-ROULETTE!**

4.00 p.m.

**The benefits of flexible printed circuits
as a replacement for wire harness**

TRACKWISE DESIGNS



Philip Johnston
CEO



Topics: Weight and space saving |
Improved precision and repeatability |
Intelligence, smart harness

4.30 p.m.

**Simulation based signal integrity
analysis for CAN FD domains by the
system supplier**

KROMBERG & SCHUBERT



Benjamin Möller
Specialist – Advanced Engineering
Electrical Systems

Topics: Tool implementation
and integration into the product
development flow | Validation of the
modelling approach by laboratory
measurements | Practical experience
@Kroschu and typical use cases

5.00 p.m.

**Electronic fuses compliant with the
evolution of E/E architecture of new car
generations**

STMICROELECTRONICS



Romeo Letor
Innovation Scout



Topics: E-Fuse General Device
architecture and E-Fuse versus melting
fuse | What about Safety: Safety
mechanisms Today and next evolution |
Silicon technologies Suitable for
Electronic Fuse manufacturing

5.30 p.m.

BREAK AND NETWORKING

7.30 p.m.

START OF THE EVENING EVENT



**NETWORKING DIRECTLY VIA VIDEO
CHAT OR BY CHANCE WITH OUR CHAT
ROULETTE. YOU WILL BE SURPRISED!**



9.00 a.m. **WELCOME AND NETWORKING WITH THE EXHIBITORS AND PARTICIPANTS VIA VIDEOCHAT. HAVE FUN ALSO WITH OUR CHAT-ROULETTE!**

9.50 a.m. **OPENING OF THE LECTURES**

10.00 a.m. **New architectural approaches and their impact on automotive wiring harnesses**
VOLKSWAGEN



Oliver Bettgens
Projectleader BNA

Topics: Evolution of the wiring harness system over the last years | Effects of a zonal architectural approach on wiring harnesses | Future outlook of the wiring harness system

10.30 a.m. **Possible applications of IDC in automobiles: Pros & cons**
TE CONNECTIVITY



Dr. Helge Schmidt
Fellow

Topics: Functional concept, history and design (single or multiple stranded wires and magnet wires) | Processing options and comparison of IDC technology with other types of wire connectivity | IDC for inbox wiring versus connectivity solutions within the typical wiring harness

11.00 a.m. **Unified thermal simulation of HV wiring harnesses including component interface models**

DAIMLER and ZVEI



Frank Hübner
Development Engineer at DAIMLER

Sebastian Glatz
Managing Director Fachverband Kabel und isolierte Drähte at ZVEI

Topics: Introduction of the guideline "Thermal Simulation Models" by the ZVEI | Design and exchange of thermal simulation models | Working Group for the development of unified thermal interface models



11.30 a.m. **New generation of sensor and actuator cable**

COROPLAST



Helmut Wichmann
Senior Technical Manager – Wires & Cables

Topics: Increase in performance with innovative design optimizations | Resource savings by implementing weight saving potentials

12.00 p.m. **BREAK AND NETWORKING WITH THE EXHIBITORS AND PARTICIPANTS VIA VIDEOCHAT. HAVE FUN ALSO WITH OUR CHAT-ROULETTE!**

2.00 p.m.

3D-Master process: Tool-driven early quality assurance for data from topological and schematic development

BMW



Martin Mewe
Project Manager

Dr. Daniel Wienholtz
Process-Manager

Topics: 3D-Master is key enabler for seamless topological development | Reuse of 3D Master data in the process chain increases the requirements on data quality | Quality gateways during development phase guarantee consistent data



2.30 p.m.

Stay Connected – Safe design with grounding fasteners

CONTI FASTENERS



Sebastian Schlegel
Representative Conti Fasteners

Topics: Mobility in motion – Tightening technologies future challenges | Required qualifications in tightenings technology – New VDI/VDE 2637 | Keep protected with designing grounded joints

3.00 p.m.

Optical data transmission, a complement to copper

MD ELEKTRONIK



Helmut Pritz
Manager Technical Productmanagement

Topics: Challenges to existing systems | Development approaches copper-based and optical | Future prospects

3.15 p.m.

Clearing the path to high data rates – taking advantage of radio modulation schemes

HUBER+SUHNER



Alexander Post
Market Unit Manager Automotive

Topics: Ready for up to 30Gbit/s by using a conventional coax link

3.30 p.m.

CLOSING WORDS: GEORG STERLER

NETWORKING WITH THE EXHIBITORS AND THE PARTICIPANT VIA VIDEOCHAT.

5.00 p.m.

END OF THE 8TH INTERNATIONAL CONFERENCE AUTOMOTIVE WIRE HARNESS AND ELECTRICAL DISTRIBUTION SYSTEM 2020



The following companies are already registered and will inform you online at their virtual booth about their products and services:



MEET THE INDUSTRY WHERE THE INDUSTRY MEETS.

Take this opportunity! Present your company to the professional audience – your target group – without any scattering losses.

YOUR FIRST CONTACT

Nicolai von Gratkowski
Manager Exhibition & Sponsoring

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nicolai.vongratkowski@sv-veranstaltungen.de

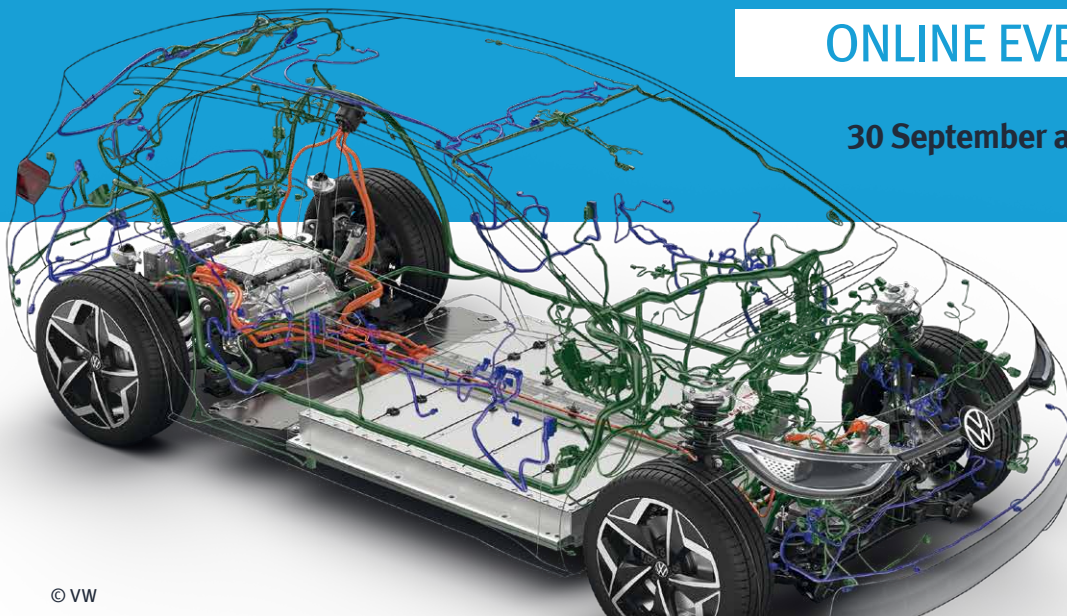


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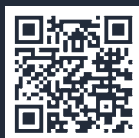


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REGISTRATION IN 2 STEPS: www.wireharness.eu

1.

Use this QR-Code
or follow the link:
www.wireharness.eu



2.

Fill out the form
and submit



8TH INTERNATIONAL CONFERENCE AUTOMOTIVE WIRE HARNESS AND ELECTRICAL DISTRIBUTION SYSTEM

30 September and 1 October 2020



Participant fee: € 895 plus VAT



Free participation in the online evening event



Networking directly or via chat roulette: Here a
participant is randomly assigned to you by a logarithm.
This is really fun!

ORGANIZATION & REGISTRATION

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