

# 1<sup>st</sup> International Conference

## **AUTOMOTIVE** WIRE HARNESS & ELECTRICAL DISTRIBUTION SYSTEMS

October 6 and 7, 2022  
Detroit, USA

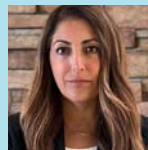


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### Main Topics 2022:

- Future electronics architecture and data rates
- Current developments and impact on onboard networks
- Advances in automation
- Guided, digital wiring harness development

### Speakers:



**Filodia Acho,**  
Complexity SME,  
Ford Motor Company



**Swarnjeet Dhaliwal,**  
Director New Business  
Development Electronics,  
Yazaki North America



**Frédéric Holzmann,**  
Head of EE Architecture  
and Product Innovation,  
LEONI Bordnetz-Systeme  
GmbH



**Glenn Reed,**  
Technical Expert,  
Ford Motor Company



**Do Sohn,**  
Global Director of  
Innovation, EDS,  
APTIV



**Christoph Schulz-Linkholt,**  
System Architect Power  
Distribution,  
Infineon Technologies

A conference organized by:



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## ABOUT US

We, GG Group, are a global group of companies that has been producing technically high-quality cables, wires and harnesses for the automotive industry and various industrial sectors for more than 80 years.

We focus on e-mobility, autonomous driving and digitalization, being important drivers of innovation and development in our industry. Cutting-edge technology is what GG is about and a result of being a pioneer and innovator in energy and data transmission for many years.

Good is not enough for us. We strive for excellence in everything we do and therefore we are not satisfied until we achieve the best.

Together with our customers, we work with passion to develop innovative and intelligent solutions for their challenges.

Our deep expertise in application of aluminum and copper meets all requirements of future proof energy and data transmission technology.

Our success is based on providing high-quality products but also on our strong focus on everybody involved in this process.

With more than 4000 employees at 11 locations worldwide, GG Group is one of Austria's most successful family-owned industrial companies.

## ENERGY TRANSMISSION

**E-Mobility HV Harness:** GG develops customized solutions for the specific wiring systems required by modern hybrid and electric drive systems. Our pioneering experience in aluminum HV wiring meets the increasing energy demand in drives of the future, while reducing weight of harnesses. Our highly automated and scalable production processes guarantee top quality.

**Energy Wiring Harness LV/48V:** GG produces cables, harnesses, and components for energy distribution in vehicles. We offer customized solutions meeting all your specific power wiring requirements and ensuring correct energy distribution on all common voltage levels. We are proud to say that almost all manufacturers and system suppliers in the automotive industry put their trust in our products and services.

## DATA TRANSMISSION

**Automotive Databables:** GG's new developments ensure swift transmissions of growing data volumes in less space. We are a global player whose solutions for data transmissions in and from the vehicle keep setting new standards in the automotive industry. Our close collaboration with OEMs and system suppliers makes us an ideal partner meeting the challenges of upcoming technologies.

**Industrial Databables:** GG's Industrial Databables meet factory automation requirements up to Industry 4.0 standards and impress with their excellent quality in terms of data transmission, reliability, flexibility and robustness. We supply a large portfolio for digitalization in industry, including PROFINET and Industrial Ethernet cables, as well as all common field-bus cables.

**Gebauer & Griller Kabelwerke Gesellschaft m.b.H.**  
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**Regional Customer Service Center USA**  
GG Cables and Wires USA, Inc. | 26100 American Drive, Suite 403 | Southfield, MI 48034  
+1 248 504 4003 | gg-group.com





**1<sup>st</sup> Day: Thursday, October 6, 2022**

**09:00** Arrival of participants, registration, networking in the exhibition area

**09:45** Welcome address by the Chairman, Georg Sterler and the Co-Chairman, Senad Melkic, Director North America, GG Cables and Wires USA, Inc.



**10:00** Aptiv Smart Vehicle Architecture™ Addresses EDS Automation Challenges



*Do Sohn, Global Director of Innovation, EDS, APTIV*

**10:30** Centralized Electronic Architecture as Enabler for Harness Simplification



*Frédéric Holzmann, Head of EE Architecture and Product Innovation, LEONI Bordnetz-Systeme GmbH*

**11:00** DC Charging Path Analysis Incorporating Contact Aging



*Aaron de Chazal, Manager, Product Development Engineering, E-mobility, Charging Inlets, Americas Automotive TE Connectivity*

**11:30** Coffee Break & Networking in the Exhibition

**12:00** Connection Technology for Large Aluminium Cross Sections



*Kamel Ben Moussa, Senior Engineer, Sumitomo Electric Industries (SEI) & SEI Automotive Europe GmbH*

**12:30** Ford EDS Wiring Sustainable Components & Applications



*Mohammed Michael Baydoun, EDS Component SME, Ford Motor Company*

**13:00** Joint Lunch & Networking

**14:00** High Voltage Wiring Evolution from round to flat Conductors (Bus Bars)



*Andrew Bohan, Busbar Product Line Engineer, APTIV*

**14:30** Chaoli – New DC Charging Standard



*Matthias Kübel, Standardisation of Conductive Charging System, Volkswagen AG*

**15:00** HV BEC/BDU



*Swarnjeet Dhaliwal, Electronics, Components, and Instrumentation, Yazaki North America, Inc.*

**15:30** Coffee Break & Networking in the Exhibition

**16:00** Evolution Instead of Revolution, with Copper on the way to Implementing 100G in Vehicle



*Frédéric Holzmann, Head of Customer Architecture & Product Innovation, LEONI Bordnetz-Systeme GmbH*



*Michael Gordon, Director of Sales, High Speed Data Connectors - Americas, Rosenberger Hochfrequenztechnik GmbH & Co. KG*

**16:30** Complexity Analysis & Reduction Methods



*Filodia Acha, Complexity SME, Ford Motor Company*

**17:00** Semiconductor Switches as Safety Elements in High Available Power Distribution Systems



*Christoph Schulz-Linkholt, System Architect Power Distribution, Infineon Technologies*

**17:30** Get-together with fine food and drinks, Networking





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- ▶ Longer Reach
- ▶ Error Free



**Multi-Gig Connectivity Over UTP**



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**2<sup>nd</sup> Day: Friday, October 7, 2022**

**08:25** Welcome – short review of Day 1  
Georg Sterler, Chairman, and the Co-Chairman,  
Senad Melkic, Director North America,  
GG Cables and Wires USA, Inc.



**08:30** The Vulnerability of High-Speed Links and the  
Shielding Paradox  
*Eyran Lida, CTO and Co-Founder,  
Valens*



**09:00** Low Torsion Twisting – Equipment for a Stable  
Physical Layer in Data Transmission  
*Simon Abegg, Director Product Group Twisting Machines,  
Komax AG*



**09:30** A Digital Engineering Approach to Wire Harness  
Design Visualization and Collaboration  
*Bob Potock, Vice President of Marketing,  
Zuken USA*



**10:00** Battery Bussbar Modules  
*Swarnjeet Dhaliwal, Electronics, Components,  
and Instrumentation,  
Yazaki North America, Inc.*



**10:30** Coffee Break & Networking in the Exhibition

**11:15** Pyrotechnic Fuses for HV Systems.  
An Indispensable Building Block for the further  
Development of E-Mobility  
*Dietmar Haba, Group Leader Electrical Safety Product  
Development,  
Astotec Automotive GmbH*



**11:45** Bracket Optimization Process and Design  
Considerations for Dynamic Environments  
*Glenn Reed, Technical Expert,  
Ford Motor Company*



**12:15** Virtual Validation of Wire Harnesses and Cables  
*Karl Bangert, General Manager,  
flexstructures North America*



**12:45** Closing Speech

**13:00** Joint Lunch & Networking

**Members of the Advisory Board:**



**Eid Hage**  
Global Chief Engineer,  
Ford Motor Company



**Vijy Koshy**  
Engineering Director,  
Molex



**Co-Chairman:  
Senad Melkic**  
Director North America,  
GG Cables and Wires USA,  
Inc.



**David Scheffler**  
VP of Engineering,  
Yazaki North America, Inc.



**Mark Potesta**  
VP of Engineering and  
CTO of Automotive  
Americas,  
TE Connectivity



**Steven Spadoni**  
Global Engineering  
Director, Electrical  
Center,  
APTIV

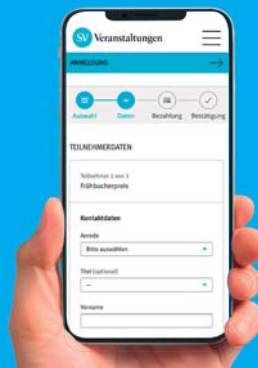


**Chairman:  
Georg Sterler**  
former Head of  
Wire Harness System  
Development,  
AUDI



**Peter Van Wordragen**  
Head Product  
Development Americas,  
Leoni Wiring Systems Inc.

Please register online  
[www.eds-conference.com](http://www.eds-conference.com)



1<sup>st</sup> International Expert Conference

## AUTOMOTIVE WIRE HARNESS & EDS



### Registration information

October 6 and 7, 2022

### Event location & Accomodation

#### The Henry, Autograph Collection

Fairlane Plaza, 300 Town Center Dr,  
Dearborn, MI 48126, USA  
+1 313 441 2000  
<https://www.behenry.com/>

### Participation fee

The participation fee for the conference is:

Early Bird available until September 2	\$1,600
Regular Ticket	\$1,800
Group discount: x 3 (20%), x 4 (25%) p. p.	

### Services included in the participation fee

- Participation in the conference
- Conference documentation
- Refreshments in the breaks
- Lunch on both conference days
- Evening event on the first day of the event

### Registration

We request your registration via Internet at [www.eds-conference.com](http://www.eds-conference.com)

Upon receipt of your written registration, you will be registered as a participant and will receive a written confirmation of registration as well as an invoice, which has to be paid before the to be paid before the start of the event. In case of cancellation after September 22, 2022 or in case of a No-show, the full registration fee will be charged. However, a substitute participant can be named. Cancellations before this date will be charged with 150 € administration fee. Cancellations and registrations must always be made in writing.

The organizer reserves the right to relocate, change or cancel the entire event or individual parts spatially and / or temporally to move, change or cancel at short notice.

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### Your contacts:



#### Registration and Organization

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