

Call for Papers & Workshops

The wiring harness of a modern vehicle - automobile, truck or even airplane - is one of the lesser focused components. It has to keep abreast of current developments like greater electrification of the drive train, advanced networking, both internal and external, and a growing trend towards piloted driving. The wiring harness is one of the heaviest single components in a vehicle and - given the manual effort that goes into its manufacture - one of the most costly.

The pressure to innovate in the automobile industry is immense: New vehicle generations must weigh less, consume less energy, and at the same time offer both driver and passengers more functions. For the electrical wiring system that means exploring new materials, processes and technologies.

This also reflects the main topics of the **Wiring Systems Congress 2019**, which is being held for the eighth time on September 26, 2019 at the Landshut University of Applied Sciences by the **Elektronik automotive** with the friendly support of the **prostep ivip Association**.

The event is aimed at developers and specialists from the entire automobile value-added chain, i.e. OEMs, tier #n suppliers and manufacturers of development tools or components, and service providers.

Technical subjects relevant to the onboard network will be looked at, for example:

- Development and simulation of automotive electrical wiring
- E/E architectures and their impact on electrical wiring structure (Redundancy)
- Consistent data availability in on-board network development (standardized interfaces and tool chains) Cable systems for power and information transmission and cable harness manufacture

- Integration of electric development processes in overall vehicle design
- Systems engineering in vehicle electrics (EMC, functional safety, ISO 26262, Traceability)
- Processes and automation in wire harness production
- Networking concepts in the automobile (e.g. CAN-FD, Ethernet)
- Model-based verification
- New materials in electrical wiring
- Connectivity in 12-V, 48-V and high-volt onboard electrical wiring
- Multi-voltage onboard networks in electric and hybrid vehicles

At the same time participants will be offered an opportunity of attending selected workshops.

Possible workshop topics are:

- EMC simulation of onboard networks
- Tool-supported onboard network development
- Requirements management

Other suggestions from the onboard network scenario are naturally welcomed.

Send a résumé of your proposed paper online to:

www.bordnetz-kongress.de

We look forward to hearing from you and seeing you at the Wiring harness congress.

Closing date is March 29, 2019.

Contact:

Lucie Rösgen-Pomper
Event Manager
WEKA FACHMEDIEN GmbH
Phone: +49 (0)89 25556 - 1610
E-Mail: lroesgen@weka-fachmedien.de