

# Automotive Networks

E/E architecture and IVN technologies

12 November 2019 in Munich / Schloss Hohenkammer

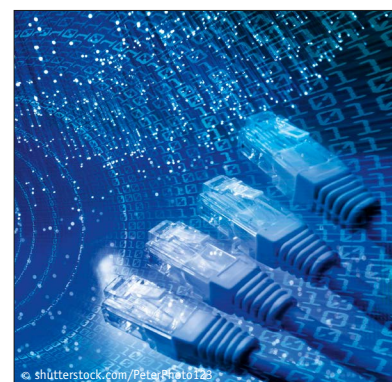
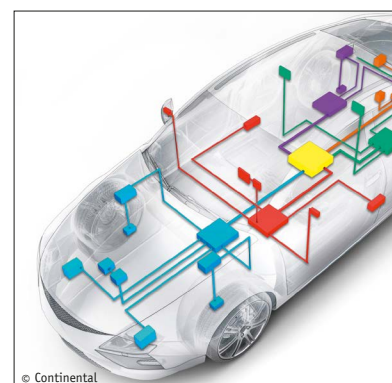
+ Trendsetting panel discussion:  
Quo vadis function and  
service-oriented architecture

Discuss with OEMs, suppliers, semiconductor vendors  
and tool providers

- Future E/E architecture: Function and service-oriented architecture
- IVN technologies as enabler technologies: CAN, Ethernet, SerDes

## Program features

- BMW Group
- Dr. Ing. h.c. F. Porsche AG
- Continental
- Elektrobit Automotive GmbH
- Ford-Werke GmbH
- P3 GLOBAL GmbH
- RealTime-at-Work
- Renault Group
- Robert Bosch GmbH
- Technical University of Munich
- University of Luxembourg
- Volkswagen AG

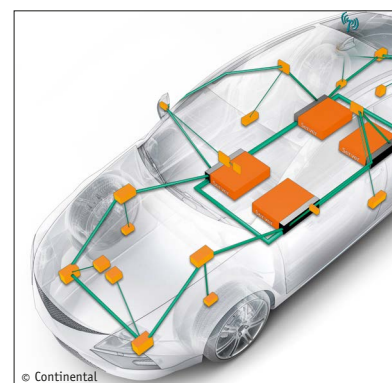


Organized by

HANSER  
**automotive**

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Exhibitor

 **technica**  
engineering



## Chairman and Program Committee

- Dr. Günter Reichart › formerly BMW Group (Chairman)
- Harald Eisele › formerly Opel Automobile GmbH
- Dr. Oliver Creighton › BMW Group
- Jürgen Röder › Continental
- Dr. Thomas Galla › Elektrobit
- David Weinrauch › Ford-Werke GmbH
- Rüdiger Roppel › Dr. Ing. h.c. F. Porsche AG
- Christian Horst › Robert Bosch GmbH
- Dr. Marcel Wille › Volkswagen AG

## Comments from participants 2018

»It's a great opportunity to have an overview about IVN technology trends, in relationship with the current automotive challenges (autonomous driving, connectivity, electrification).«

Giuseppe Conigliaro › FCA Italy S.p.A.

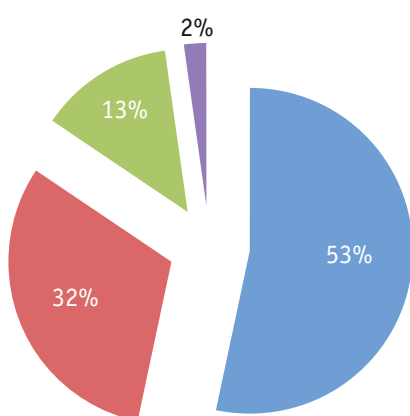
»Highly focussed topic and good discussions with like-minded experts.«

Dr. Oliver Creighton › BMW AG



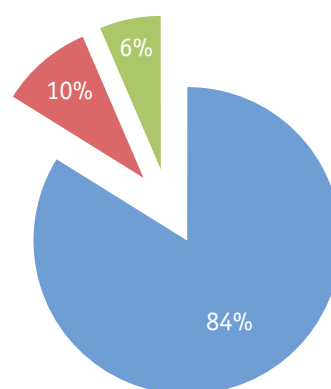
## Whom you will be meeting at the conference

### Branches



- Automotive construction and suppliers
- Electrical engineering/electronics
- Software development
- Universities/research institutes

### Departments



- Research & development, construction
- Marketing, sales, distribution
- Management

**More information on exhibition & sponsoring:** Christine Sieber | [christine.sieber@hanser.de](mailto:christine.sieber@hanser.de)

## Monday, 11 November 2019

Networking Event and Opening | Start 7.00 pm | Location: Schloss Hohenkammer

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### 07.30 pm Dinner speech »Mobility 2030 – Focus on customer needs«

Ryan Hassoun, Team Lead ePowertrain › P3 GLOBAL GmbH, Stuttgart

This evening offers you the opportunity to meet with other conference participants and speakers in a casual and relaxed setting. Enjoy pleasant conversation and extend your network with drinks and local food.

## Tuesday, 12 November 2019

### 08.30 am ☕ Registration and welcome coffee

### 09.00 am Welcome › Dr. Günter Reichart (Chairman)

### Function and service-oriented architecture

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#### 09.10 am From function- to service-oriented architectures

Dr. Stefan Kugele, Department of Informatics, Software & Systems Engineering › Technical University of Munich

#### 09.50 am Service-oriented architectures as a mindset: Shaping the next EE architecture in a digital age

Dr. Julian Broy, Head of Service Architectures › BMW Group, Munich

#### 10.20 am Function- and service-orientation – a game changer for the E/E-architecture of tomorrow

Dr. Matthias Görber, Head of E/E architectures and networks › Dr. Ing. h.c. F. Porsche AG, Weissach

#### 10.50 am ☕ Coffee break

#### 11.25 am Adaptive AUTOSAR is on the road – challenges & experiences for series development at Volkswagen

Jan Müller, Dr. Marcel Wille › Volkswagen AG, Wolfsburg

#### 11.55 am It's served: Building blocks of future E/E architectures – A transition from distributed to future standardized service-oriented E/E-architectures

Aurora Sere-Schneider, Head of Vehicle Systems Architecture › Continental Teves AG, Regensburg

#### 12.25 pm 🍽️ Lunch

### Panel discussion

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#### 01.25 pm Teaser: Quo vadis architecture? – Thoughts about technology, costs and organization

Dr. Günter Reichart

#### 01.45 pm Panel Discussion: Quo vadis function and service-oriented architecture

**Moderation:** Dr. Günter Reichart

**Panelists:** Dr. Julian Broy › BMW Group | Harald Eisele › formerly Opel Automobile GmbH | Christian Kerstan › Robert Bosch GmbH | Aurora Sere-Schneider › Continental Teves AG | David Weinrauch › Ford-Werke GmbH

#### 02.30 pm ☕ Coffee break

### Enabler Technologies

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#### 03.00 pm Synthetic data to secure and optimize early stage topological and technological design choices for TSN networks

Nicolas Navet, Associate-Prof., Computer Science and Communications Research Unit › University of Luxembourg

Josetxo Villamueva, In-Vehicle Networks Expert › Renault Group, Guyancourt, France

Jörn Migge, CTO › RealTime-at-Work, Nancy, France

#### 03.30 pm CAN XL – An introduction and comparison to available IVN-technologies

Dr. Arthur Mutter, Engineering & Design › Robert Bosch GmbH, Reutlingen

#### 04.00 pm Automotive hypervisor in classic real time systems

Michael Strotz, Dr. Fabian Christowiak › Elektrobit Automotive GmbH, Erlangen

#### 04.30 pm The struggle with inheritance – How Safety requirements influence the communication structure in future automotive E/E-architectures

Stefan Brunner, System Architect, Future In-Vehicle Networks › Continental Automotive GmbH, Regensburg





#### 05.00 pm Closing words and end of the conference

# Register now!

Online: [www.automotive-networks.com](http://www.automotive-networks.com) | Fax: +49 89 99830-157

- I hereby register for **Automotive Networks** on 12 November 2019 in Munich/Schloss Hohenkammer.  
Registration fee until 14.10.2019 € 620,- | Registration fee from 15.10.2019 € 690,-  
10% discount for subscribers of magazine HANSER automotive. Special rates for university members on request.  
All prices plus German VAT.
- I hereby register for the Networking Event on 11 November 2019 (included in conference fee).

## The participation fee includes:

-  Invitation to the exclusive and enjoyable networking event with dinner speech
-  Access to all presentations and the panel discussion
-  Proceedings available for download
-  Lunch, coffee breaks and refreshments

### Participant

- Company address     Private address
- Mr.                       Mrs.

First Name | Name \_\_\_\_\_

Company \_\_\_\_\_

Department \_\_\_\_\_

Telephone \_\_\_\_\_

Street | P.O. Box \_\_\_\_\_

State | ZIP Code | City \_\_\_\_\_

E-Mail \_\_\_\_\_

I am subscriber of the magazine HANSER automotive.

Date | Signature \_\_\_\_\_

**Data Protection Policy:** You will be informed about the processing of your personal data in our data protection declaration under [www.hanser.de/privacy-policy](http://www.hanser.de/privacy-policy)

### Invoice address (if different)

- Company address     Private address
- Mr.                       Mrs.

First Name | Name \_\_\_\_\_

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### Contact

Carl Hanser Verlag | Conferences and Fairs | Tel.: +49 89 99830-465 | [tagungen@hanser.de](mailto:tagungen@hanser.de)

### Location

Schloss Hohenkammer | Schlossstraße 18-25 | 85411 Hohenkammer/Munich |  
Phone +49 8137 9340 | [mail@schlosshoehenkammer.de](mailto:mail@schlosshoehenkammer.de) | [www.schlosshoehenkammer.de](http://www.schlosshoehenkammer.de)

### Benefits

The conference fee includes proceedings available for download, lunch, coffee breaks, refreshments as well as announced events or company visits. Participation in company visits is conditional. You will receive your name tag at the registration on-site. Hereby the name tag serves as authorization to call upon the benefits mentioned above.

### Registration/Cancellation

Your registration is binding once a written confirmation is issued. This also applies to the participation in announced tours. With your signature, our terms and condition are accepted. Participants with billing address outside of Germany, Austria and Switzerland, please pay by credit card. You agree with your registration that you will be seen as a participant in any photos or videos. Cancellation of your registration must be in writing and, up to two weeks prior to the start of the event, is subject to a processing fee of € 100,- plus the statutory VAT. Individuals whose cancellation is postmarked after the deadline are required to pay the

full registration fee. It is, of course, also possible for a colleague to use your registration if you cannot attend personally. Changes in the program are reserved by the organizers. Should the conference be canceled, the registration fee will be reimbursed in full. We will inform you immediately and transfer the paid fee back to your account. However, Hanser will not be liable for any other expenses incurred, such as travel, hotel, or others. The program is subject to changes.

### Accommodation

Travel and accommodation-stay are not included in the conference fee. Please book a room yourself. A limited number of rooms are available at a special rate. All information about the hotel can be found in the conference details at [www.automotive-networks.com](http://www.automotive-networks.com) and further accommodation at [www.hanser-tagungen.de/hrs](http://www.hanser-tagungen.de/hrs)

### Journey

For your journey by train you can use the cost-efficient event ticket of »DB Vertrieb GmbH«. You can find detailed information about the offer on [www.hanser-tagungen.de/DBSonderkonditionen](http://www.hanser-tagungen.de/DBSonderkonditionen). The offer is bookable under the hotline 0180 6311153 with the headword: »EW Medien«

**Our detailed terms and conditions can be found at [www.hanser-tagungen.de/agb](http://www.hanser-tagungen.de/agb)**