

# safetronic. 2019

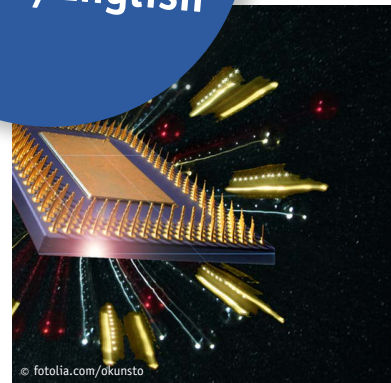
## Functional Safety in Automotive

05 and 06 November 2019 in Stuttgart-Fellbach

Simultaneous  
translation  
German/English

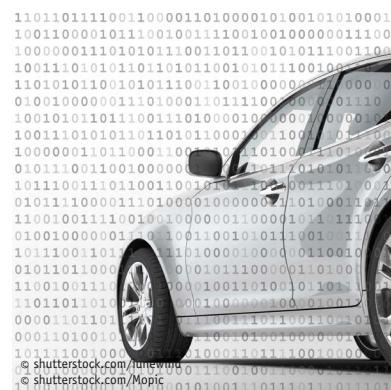
### Topics of the international Safety expert meetup:

- Norms & Standards
- Functional Safety & highly automated driving
- Safety analysis
- Concepts for innovative technologies



### Presentations from

- Autonomous Intelligent Driving GmbH
- AVL List GmbH
- BMW Group
- Brose Fahrzeugteile GmbH & Co. KG
- Dr. Ing. h.c. F. Porsche AG
- Elektrobit Automotive GmbH
- ETAS GmbH
- HELLA GmbH & Co. KGaA
- Intel Corporation
- PSA Groupe
- Robert Bosch GmbH
- and others



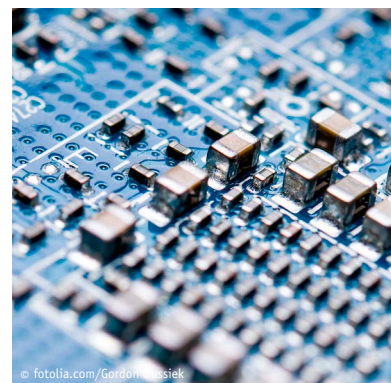
### Organized by



### Partner



### Confirmed Exhibitors



## Chairman and advisory board

- apl. Prof. Dr. habil. Mario Trapp  
› Fraunhofer-Institute for Embedded Systems and Communication Technologies ESK, Munich
- Stefan Kriso › Robert Bosch GmbH
- Simon Fürst › BMW Group
- Dr. Alexander Rudolph › Continental
- Andreas Knapp › Daimler AG
- Dr. Håkan Sivencrona  
› Qamcom Research and Technology
- Thomas Frese › FORD
- Hans-Leo Ross › Bosch Engineering GmbH
- Nicolas Becker › PSA Groupe

## Comments from participants 2018

»Very interesting and competent presentations on actual and future topics.«

Andreas Töpperwein › Preh GmbH

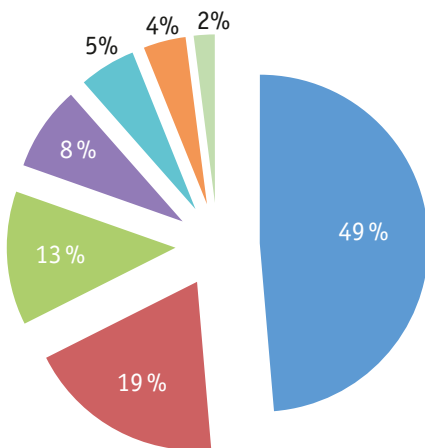


»Good overview on current challenges and hot topics in the context of Functional Safety and SOTIF.«

Dr. Marco Limberger › Robert Bosch GmbH

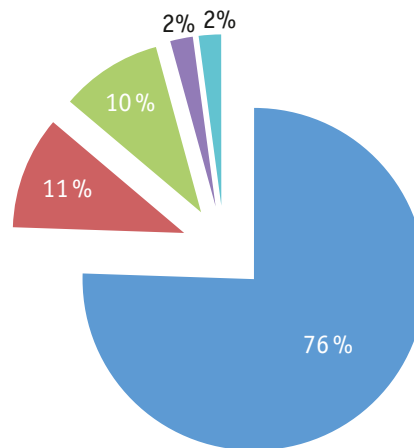
## Whom you will be meeting at the conference

### Branches



- Automotive Construction and Suppliers
- Electrical Engineering/Electronics
- Software Development Automotive
- Mechanical Engineering
- Business Consulting/Engineering Offices
- Universities/Research Institutes
- Other

### Departments



- Research & Development
- Construction/Product Development
- Quality Management
- Software Development
- Marketing, Sales, Distribution

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

## Tuesday, 5<sup>th</sup> November 2019

### 08.45 Registration and welcome coffee

### 09.30 Welcome

apl. Prof. Dr. habil. Mario Trapp ▶ Fraunhofer-Institut für Eingebettete Systeme und Kommunikationstechnik ESK, Munich (Chairman)

### Norms & Standards

#### 09.40 ISO 21448 »SOTIF«: current status

 Nicolas Becker ▶ PSA Groupe, Montbéliard Cedex, France

#### 10.00 What does SOTIF have to do with fully automated driving?

Dr. Simon Rößner, Senior Expert Functional Safety  
▶ TÜV SÜD Auto Service GmbH, Munich

#### 10.40 ☕ Coffee break

### Functional Safety & highly automated driving

#### 11.20 Item definition and PMHF budgeting for automated driving functions

Carsten Gebauer, Center of Competence Functional Safety  
▶ Robert Bosch GmbH, Stuttgart

#### 12.00 Comparison of hazard analysis methods with regard to the series development of autonomous vehicles

Greta Kölln ▶ BMW Group, Munich

#### 12.40 🍽️ Lunch

#### 02.00 Agile approach to sensors for safe autonomous driving

 Rolf Johansson, Safety Guy  
▶ Autonomous Intelligent Driving GmbH, Gothenborg, Sweden

Dr. Håkan Sivencrona, Safety Guy  
▶ Qamcom Research and Technology, Gothenborg, Sweden

#### 02.40 Keep driving safe by ensuring fail operational power supply for future vehicle applications

Armin Köhler, Doktorand, Systems Engineering/Functional Safety – Automotive Electronics ▶ Robert Bosch GmbH, Stuttgart

Patrick Münzing, System Engineer/Functional Safety, Automotive Electronics ▶ Robert Bosch GmbH, Stuttgart

#### 03.20 Positive risk balance as one of the legal requirements for the approval of highly automated driving

Peter Krumbach ▶ BMW Group, Munich

Dr. Lars Schnieder, Director Assessment Service Center  
▶ ESE Engineering und Software Entwicklung GmbH, Braunschweig

#### 04.00 ☕ Coffee break

#### 04.40 Practical Application of STPA in the Context of SOTIF for Automated Vehicles

Nino Gabriel, Senior Safety Expert ▶ ANSYS medini Technologies AG, Berlin

### Special

#### 05.20 Systems engineering of applications in the field of securing power distribution networks using electronic fuses (eFuse)

Berthold Sopper, Functional Safety Engineer  
▶ Systemtechnik LEBER GmbH & Co. KG, Schwaig

#### 06.00 Closing words and reception with drinks

#### 07.00 Get-together – Dinner

It's our pleasure to invite you to a dinner at the conference location. Continue your conversations in a pleasant atmosphere with speakers and participants and enjoy an artistic performance during the evening.

## Wednesday, 6<sup>th</sup> November 2019

### Safety Analysis

#### 08.30 Systematic identification of functional insufficiencies by means of component fault trees

Dr. Rasmus Adler, Embedded Systems Quality Assurance,  
Dr. Daniel Schneider, Department Head Embedded Systems Quality Assurance ▶ Fraunhofer-Institut für Experimentelles Software Engineering, Kaiserslautern

#### 09.10 Tailoring of dependent failure analyses (DFA)

Dr. Adam Schnellbach, Lead Engineer Safety Methods and Analyses  
▶ AVL List GmbH, Graz, Austria  
Dr. Pierre Metz, Senior Expert Functional Safety  
▶ Brose Fahrzeugteile GmbH & Co. KG, Würzburg

#### 09.50 Safety analysis of software updates over-the-air

Dr. Oliver Kust, Senior Consultant RTA Solutions ▶ ETAS GmbH, Stuttgart

#### 10.30 ☕ Coffee break

#### 11.00 Application of a safety analysis on software architectural level: A case study with HAZOP analysis

Dipl.-Ing. Christian Bayer, Head of Standardization  
▶ Elektrobot Automotive GmbH, Erlangen

Dr. Thomas Liedtke, Principal  
▶ KUGLER MAAG CIE GmbH, Kornwestheim

#### 11.40 Live-TED and Panel discussion: End-to-end Safety for connected vehicles

Moderation: apl. Prof. Dr. habil. Mario Trapp, Fraunhofer ESK

#### 12.30 🍽️ Lunch

### Concepts for innovative technologies

#### 01.30 Challenges in developing a safe high performance computing platform



Bitan Roy ▶ Dr. Ing. h.c. F. Porsche AG, Weissach

#### 02.10 Product safety - Challenges and chances creating an overarching safety concept incorporating ALL safety aspects

Dr. Simone Hamerla, Product Safety Assessor  
▶ HELLA GmbH & Co. KGaA, Lippstadt

#### 02.50 Flight Safety Certification Implications for Complex Multi-Core Processor based Avionics Systems



Michael Paulitsch, Dependable Research Architect ▶ Intel Labs, München  
Jyotika Athavale, Senior Functional Safety Architect  
▶ Intel Corporation, Chandler, USA

#### 03.30 Closing words and end of conference

Please also note our following conference:  
Safety meets Security, Thursday 7<sup>th</sup> November 2019

# Register now!

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

Registration	Conference fee	(included in the conference fee)
<input type="checkbox"/> <b>safetronic.2019</b>	until 07.10.2019 € 1,370.–	<input type="checkbox"/> 05.11. Get-together
05. and 06.11.2019 in Stuttgart-Fellbach, Germany	from 08.10.2019 € 1,550.–	
<input type="checkbox"/> <b>Safety meets Security</b>	until 07.10.2019 € 690.–	<input type="checkbox"/> 06.11. Get-together Please choose <b>one</b> session:
07.11.2019 in Stuttgart-Fellbach, Germany	from 08.10.2019 € 780.–	
		<input type="checkbox"/> Automotive <input type="checkbox"/> Non-Automotive
<input type="checkbox"/> <b>Combination offer</b>	until 07.10.2019 € 1,750.–	Please fill in up above.
05. to 07.11.2019 in Stuttgart-Fellbach, Germany	from 08.10.2019 € 1,980.–	

10% discount for subscribers of the magazine HANSER automotive or members of ASQF e.V.. All prices plus German VAT.

## Participant

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 Mr  Mrs

First Name | Last Name

Company

Department

Phone

Street | P.O. Box

Country | ZIP Code | City

E-Mail

- I am /my company is a subscriber of the magazine HANSER automotive or member of ASQF e.V.

Date | Signature

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## Contact

Carl Hanser Verlag | Tagungen und Messen | Tel.: +49 89 99830-465 | [tagungen@hanser.de](mailto:tagungen@hanser.de)

## Place of conference

Schwabenlandhalle | Guntram-Palm-Platz 1 (Please note: formerly Tainer Str. 7-9 for not updated navigation systems) | 70734 Fellbach | [www.schwabenlandhalle.de](http://www.schwabenlandhalle.de)

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Conference fee from 08 October 2019 € 1,550.–

10% discount for subscribers of the magazine HANSER automotive or member of ASQF e.V. Discounts for University Staff are available on request. All prices plus German VAT.

## 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.safetronic-congress.com](http://www.safetronic-congress.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«

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