Nov 12 – 13, 2025 | On-site
*Stuttgart | FILDERHAL**LE** Leinfelden-Echterdingen, Germany*

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by Fraunhofer IKS

Wednesday, 12 November 2025

08:45 *Registration and welcome coffee*

09:30 **Welcome and short introduction**
Prof. Dr. habil. Mario Trapp, Executive Director, Fraunhofer Institute for Cognitive Systems IKS, Munich

Safety Management Systems

09:40 **Safety and safety management in UNECE legislation for ADAS and AD**
Richard Krüger, BMW Group

10:20 *Coffee break*

11:00 **AD SMS to ensure partial holistic safety of ADS equipped vehicles according to UNECE regulations**
Reza Azimpoor, Volkswagen AG Nutzfahrzeuge
Dr. Andreas Abele, CARIAD SE

Practical Experience: Steer-by-wire-systems

11:40 **Holistic approach for safety demonstration of a steer-by-wire system**
Nicolas Becker, Rémi Hinaux, Stellantis N.V.

12:20 *Lunch break*

13:50 **Actuator-based HARA: Effective methodology for deriving availability safety goals for a steer-by-wire system**
Dr. Patrick Audehm, ITK Engineering GmbH
Selina Engel, Mercedes-Benz AG

14:30 ***Interactive Talk:* How to integrate other technologies (OT) into ISO 26262**
Peter Lascych, Schaeffler AG
Carsten Gebauer, Robert Bosch GmbH

15:10 *Coffee break*

HW & SW architectures and platforms

15:50 **SDV and new vehicle architectures: challenges and solutions from a semiconductor perspective**
Dr. Franck Galtié, NXP Semiconductors

16:30 **Hardware, software and system architecture considerations for fail-operational applications**
Jan Toennemann, Vector Informatik GmbH
Denis Bilstein, Infineon Technologies AG

17:10 **NVIDIA's approach for achieving ASIL B qualification of Linux as SEooC - Using innovative kernel safety monitoring techniques**
Mohamed Saad Abdelhameed, Vito Magnanimo, NVIDIA Corporation

17:50 *Closing words & end of 1st conference day*

18:30 *Get-together & Dinner*

19:30 *Safety keynote "tbd"*

22.30 *End of the get-together*

Thursday, 13 November 2025

08:30 **Welcome**
Prof. Dr. habil. Mario Trapp, Executive Director, Fraunhofer Institute for Cognitive Systems IKS, Munich

Innovative methodologies

08:40 **AI-supported application of AbRA architecture-based risk analysis on a Battery Management System**
Stephan Riediger, FEV.io GmbH
Jürgen Sauler, FORVIA HELLA

09:20 **Using metamorphic testing (MT) for safety validation of AI/ML enabled functionality**
Ph.D. P.Eng. Jeffrey Joyce, Dr. Laure Millet, Critical Systems Lab Inc.

10:00 **Development lifecycle acceleration with the use of digital twins and simulation in functional safety**
Dr Christian Nessler, HORIBA MIRA Ltd.

10:40 *Coffee break*

Automated driving

11:20 **Safety as a key enabler for new mobility solutions: Lessons learned from remote driving without a safety driver**
Ole Hans, Vay Technology GmbH

12:00 **Harmonizing safety: Unifying quantitative and qualitative approaches in L2 and L3 automated systems**
apl. Prof. Dr.-Ing. Moritz Werling, BMW Group

12:40 *Lunch break*

SOTIF

11:20 **SOTIF argumentation for an automated driving system - quantitative risk acceptance criteria as foundation for scenario-based testing**
Maximilian Klumpp, Mercedes-Benz AG

14:20 **Derivation of quantitative risk acceptance criteria for AI-enhanced ADAS systems**
Dr. Susanne Ebel, Robert Bosch GmbH

15:00 **Safety approach for distributed safety-critical V2X driving functions**
Peter Engel, Robert Bosch GmbH

15:40 Closing words and farewell coffee