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

safetronic®
by Fraunhofer IKS

Safetronic 2025: First presentation overview

Safety Management Systems

Safety and safety management in UNECE legislation for ADAS and AD
Richard Krüger, BMW Group

AD SMS to ensure safety of ADS equipped vehicles according regulations
Reza Azimpoor, Volkswagen AG Nutzfahrzeuge
Dr. Andreas Abele, CARIAD SE

Practical experience: Steer-by-wire-systems

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

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

Innovative methodologies

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

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.

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

HW & SW architectures and platforms

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

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

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

Automated driving

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

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

SOTIF

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

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

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

Interactive talk

How to integrate other technologies (OT) into ISO 26262 and how to prove its suitability in the context of item or element development
Peter Lascych, Schaeffler AG
Carsten Gebauer, Robert Bosch GmbH