TÜV Rheinland Automotive Functional Safety and Cybersecurity Symposium

November 14, 2024 | Troy, Michigan, USA

Our Symposium will offer a platform for technical experts to share experiences with their peers, and network with representatives from different segments of the automotive industry incl. suppliers, OEMs, academia, and regulators.

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TÜV Rheinland invites experts and specialists to submit presentation proposals on technical developments and industry trends around:

- Functional Safety
- Cybersecurity
- AI - Artificial Intelligence

Content can include field reports, project examples, as well as discussions on technical problems.

Each presentation will be followed by a short Q&A session and discussion.

Content must be technical focused (no promotional material beyond a brief introduction of the organization that you represent)

If you are interested, please take a moment to submit our short Speaker and Participant Interest Form

Take Survey
http://tuv.li/1k4V

Target Group

Senior engineers, engineering directors, product managers, safety and compliance engineers and CTOs.

Suppliers, OEMs, academia, and regulators

Power Point Presentation

- Speakers have 45 minutes time for their presentation, including a moderated Q&A session
- Speakers shall apply a POWER POINT presentation.
- If possible, all presentations shall be available for download on the TÜV Rheinland website after the event.

Program

We are currently accepting submissions and proposals from speakers, and the agenda will be announced once this has been finalized.

Speakers will be informed by email, if their speech has been accepted and will then also get further information like on which day and at what time their presentation will take place.

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Draft Agenda

Welcome
8:30 – 9:30 am

Session 1: Keynotes
9:00 – 10:30 am
3 Sessions Available

Coffee Break
10:30 – 11:00 am

Session 2: Functional Safety
11:00 – 12:30 pm
3 Sessions Available
Topics of interest:
- ISO 26262 System-on-chip (SoC) Design and Safety Analysis for ADAS and AV
- Applying Functional Safety to Level 3+ automation
- Software-defined vehicles
- ISO 26262 for embedded SW and tools
- Implementing Agile in Automotive
- Development in automotive functional safety standardization

Lunch Break
12:30 – 1:30 pm

Session 3: Cybersecurity
1:30 – 3:00 pm
3 Sessions Available
Topics of interest:
- Automotive Cybersecurity of connected vehicles
- Lessons-learned from applying ISO 21434
- Automotive Cybersecurity & Data Management
- Automotive Penetration Testing
- 2024's Top Automotive Cyber Threats
- Challenges to US Automotive OEMs to get type-approved in Europe

Coffee Break
3:00 – 3:30 pm

Session 4: Artificial Intelligence
3:30 – 5:00 pm
Topics of interest:
- Artificial Intelligence and Accelerated Computing for Automotive
- Self-learning Artificial Intelligence in Automotive Software
- Validation methods for Artificial Intelligence
- Simulation platform for the validation & homologation of HAD systems
- Development in automotive AI standardization
- Reality check for Automotive AI
- Learned

Networking Dinner
5:00 – 7:00 pm

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