

Quality, Safety and Security for Automotive Software-based Systems

10 - 12 July 2023 • Berlin

**AUTOMOTIVE SYS CONFERENCE 2023
REGISTER NOW**



Conference programme

The conference programme focuses on the quality, safety and security of electronics. The following topics will be addressed in different workshops and programme sessions running in parallel:

- Software/system quality assurance for future automotive systems
- Verification and validation
- Product safety/integrity
- Safety in automotive applications
- Standards and compliance in automotive applications
- Open source and cloud services
- Security in automotive applications
- Automated driving
- Artificial intelligence and machine learning in automotive applications
- Process assessment and improvements using Automotive SPICE® or other models

Exhibitors

intacs.info 
International Assessor Certification Scheme

International Assessor
Certification Scheme e.V.

Empowering Automotive
By Qualifying Professionals

Contact: office@intacs.info

VDA QMC

Verband der Automobilindustrie
Qualitäts-Management-Center

AUTOMOTIVE SPICE®

- Publications and Software
- Training and Professional Development
- Certification
- Software processes
- QMC Events
- Webshop

Contact: info@vda-qmc.de

Participate as an exhibitor!

Take advantage of this excellent opportunity and present Innovations in your industry at this unique event.

Do you have any questions or need more information to actively participate as an exhibitor?

Then write to us at:

aussteller@vda-qmc.de

Exhibitors



Sharpen360 Trace

- Trace assessment and evaluation software for e.g., ASPICE models
- Both predefined and user configurable models and standards
- Joint assessments, e.g., ASPICE and KGAS
- Automated guideline evaluation, overlays, and assessor chat
- Learning and analysis features

Contact: pvp@sharpen360.com



Business Cube & Partners

BIZ3

- Multi-language Services (English, Japanese)
- Consulting
- Assessment
- Training
- Professional Translation
- Assessment Tool "AXIOM" Domain
- Automotive SPICE®
- Functional Safety
- Cybersecurity

Contact: marketing@biz3.co.jp



Synspace

- Automotive Consulting Specialists
- Automotive SPICE® Assessments & Coaching
- Process improvement according to Automotive SPICE®
- Automotive SPICE® for Cybersecurity
- Safety Management & Safety Audits
- Training & Education

Contact: andreas.schleusener@synspace.com



by UL Solutions

Kugler Maag Cie by UL Solutions E/Engineering made smart

- Automotive Systems Engineering Consulting
- Process and Performance Improvement Programs
- Integration of Automotive SPICE®, Automotive Cybersecurity and Functional Safety addressing the entire mechatronic System
- Training and Further Education Programs



by UL Solutions

Method Park by UL Solutions

- Process Improvement Programs
- Consulting and Training for Automotive SPICE® with all ASPICE domain models
- Consulting and Training for Software & Systems Engineering
- Stages: Process Management Application
- ParkView Analytics: Data Analytics Application

Contact: michael.landwehr@ul.com
thomas.koschak@ul.com

Kugler Maag in co-operation with Method Park



ProcessFellows

- Process Improvement according Automotive SPICE®, SPICE for Mechanical/ Hardware Engineering, ISO 26262 and Automotive SPICE® for Cybersecurity
- Mastering the complexity of system and software development via Training, Consulting and Coaching
- Conformity assessments and audits

Contact: Bernhard.Sechser@processfellows.de



Envorso, Inc.:

- Consulting and Strategic Advisory Services for Product Development
- Specialties in Project Delivery, Software Development and Automotive SPICE®
- Bringing together expertise from automotive and Silicon Valley

Contact: steve.tengler@envorso.com

ProcessFellows in co-operation with Envorso

Keynote Speakers



Martin Arend

General Manager, Automotive Security / BMW Group

Martin Arend has been General Manager of Automotive Security since 2019. Part of his responsibilities are setting automotive security standards, methods, processes, strategy, architecture and functionality for the connected car within the BMW Group.

Martin Arend started his career as Business Development Manager in a medium-sized enterprise introducing Bluetooth technology into his client's projects. Upon joining the BMW Group in 2003 as a Telephony/Telematics specialist, he was promoted to Head of CE Connectivity in 2010. In 2014, he became Head of Sensors and Algorithms for Advanced Driver Assistant Systems (ADAS). In 2015, he moved into the position of General Manager E/E Architecture, Technologies within BMW Research, New Technologies and Innovations, responsible for Research and Pre-Development with a focus on future vehicle architectures, enabler and software technologies, including security, in an early stage of the development process.

He completed his degree in electrical engineering at the Ostbayerische Technische Hochschule in Amberg/Bavaria. He holds several international patents for the BMW Group.



Vanessa Eriksson

Data & AI Influencer, Advisor & Change Leader

Award-winning data & AI influencer (Nordics), Vanessa is a leading-edge data practitioner with extensive experience in data strategies, most recently with federated learning. She served as the Chair of PwC's CDO Advisory Board and on Gartner's North America & EMEA Data and CDO Advisory Boards. She is an active voice in the data and analytics community, featuring in several publications. Vanessa applies her experiences to highlight the need for increased participation of women in tech and leadership.

Mother of 3 girls, Vanessa is passionate about encouraging girls in tech and effectively launched her brainchild, the first GiT event in 2017. Its success over the years resulted in founding Girls in Tech Nordics, a non-profit organization manifesting her determination to make a difference.



Prof. Dr. Hans-Joachim Hof

Research Professor for Automotive Security / Technische Hochschule Ingolstadt

Professor Hans-Joachim Hof is an experienced lead researcher with a demonstrated history of working in the cybersecurity industry. He is currently vice president of Technische Hochschule Ingolstadt (THI), as well as a full research professor for automotive security, leading a research group on cybersecurity of transportation systems. Before joining THI, Hans-Joachim was from 2011 till 2016 a full professor on software security at Munich university of Applied Sciences. From 2008-2011, he was a research scientist at Corporate Technology of Siemens AG in Munich. He received a master degree in Computer Science and a PhD from the Computer Science Department of the University of Karlsruhe, Germany.

From 2016-2023 Hans-Joachim was a member of the board of the German Computer Society (Gesellschaft für Informatik). He is still a member of the board of the German Chapter of the Association for Computing Machinery (ACM).



Dr. Manuel Kallweit

Head of Department Economic Intelligence / Verband der Automobilindustrie (VDA) e. V.

Dr. Manuel Kallweit studied economics at the Universities of Würzburg and Barcelona (Pompeu Fabra), doctorate at the University of Wuerzburg.

2007 to 2011: research assistant at the Chair of Public Finance at the University of Wuerzburg.

2011 to 2015: member of the scientific staff for business cycle analysis and forecasting at the German Council of Economic Experts.

Since 2015 head of the department „Economic Intelligence“ at the German Association of the Automotive Industry (VDA).

In this function, he is responsible for monitoring, analyzing, and forecasting the automotive markets and the automotive industry worldwide.



Mary Joyce

Global Vice President and General Manager / Mobility and Critical Systems UL Solutions

Mary Joyce assumed the role of Vice President and General Manager of UL Solutions' Mobility and Critical Systems business in July of 2019.

With over 35 years of international technology and entrepreneurial experience in the automotive and mobility sectors, Mary leverages her experience and leadership to develop and deliver solutions focusing on safety, security, and sustainability in the mobility industry, especially with regard to the transformation to the software-defined vehicle.

Prior to joining UL Solutions, Joyce was the Vice President of Transportation Testing Services at SGS. Joyce spent more than 20 years at Automotive OEMs including FCA, DaimlerChrysler and Chrysler Corporation, where she served in a variety of management and technical roles. During this time, she was awarded 14 US patents in the areas of alternate propulsion, software development and electronics.

Mary serves on the Advisory Board of Enertech Capital, as well as on the Board of Directors of the California Mobility Center. She holds a Bachelor of Science in Computer Engineering, Master of Science in Electrical Engineering and an MBA with majors in Data Analytics and Global Business Management.



Workshop Day

Monday, 10 July 2023

09:00 - 10:00 Registration & Welcome Coffee

Morning Block 10:00 - 13:00	Workshop Session A1	Workshop Session B1	Workshop Session C1
	<p>Comparability of Automotive SPICE® assessment results</p> <p>VDA QMC Working Group 13 Balazs Harman / Valeo GmbH Jörg Zimmer / Daimler AG Tino Engländer / Continental AG Lukas Bergmann / Volkswagen AG</p>	<p>Communication on Cyber Security Vulnerability in Supply Chain</p> <p>Meng Kem Tee / Continental Automotive Singapore Pte Ltd Mann Yee Ooi / Continental Automotive Singapore Pte Ltd Qi Wang / FAW-VOLKSWAGEN AUTOMOTIVE CO. LTD</p>	<p>Major conceptual changes in Automotive SPICE® 4.0 and Guideline 2.0</p> <p>VDA QMC Working Group 13 Dr. Dirk Hamann / Schaeffler AG Attila Fehérvári / Saneon GmbH Bernhard Sechser / Process Fellows GmbH Barbara Leonhardt / AUDI AG</p>

13:00 - 14:00 Lunch Break & Room Change

Afternoon Block 14:00 - 17:00	Workshop Session A2	Workshop Session B2	Workshop Session C2
	<p>“Rhetoric in ASPICE Assessments“</p> <p>Achim Hoenow / CARIAD SE Andreas Gasch / CARIAD SE</p>	<p>SUMS (Software Update Management System) in practice</p> <p>John Rufus Nuthakki / UL Method Park GmbH Marco Schuster / UL Method Park GmbH Heiko Zastrau / UL Method Park GmbH</p>	<p>Platform Software for Safety-Critical Multi-core Systems: Using Software-Architecture Methods to Support Important Qualities</p> <p>Isabella Stilkerich / Schaeffler Technologies AG & Co. KG</p>



Programme

Conference Day 1

Tuesday, 11 July 2023

08:00 - 09:00	Conference setup / Registration		
09:00 - 09:30	<p>Opening / Welcome note Automotive industry in the midst of transformation – opportunities and challenges</p> <p>Dr. Manuel Kallweit Head of Department Economic Intelligence / VDA e.V.</p>		
09:30 - 10:15	<p>Opening keynote Automotive Security Management System – State of Practise</p> <p>Martin Arend / General Manager Automotive Security / BMW Group</p>		
10:15 - 10:45	Coffee Break & Room Change		
10:15 - 10:30	Conference day briefing		
Morning Block 10:45 - 12:30	Session A1 Hardware SPICE	Session B1 Safety and AI	Session C1 Open Source Software
	<p>Experience with Hardware SPICE Assessments</p> <p>Kosmas Kopmeier / KUGLER MAAG CIE GmbH</p>	<p>Safe and explainable critical embedded systems based on AI</p> <p>Carlo Donzella / Davide Cunial exida development SRL</p>	<p>Experiences with responsible usage of Open Source Software</p> <p>Thomas Irgang / Elektrobot Automotive GmbH Susanne Hartkopf / Elektrobot Automotive GmbH</p>
	<p>Process improvement using intacs™ Hardware Engineering (HWE) PRM/PAM</p> <p>Marco Di Pace / K-iscom GmbH Dr. Karlheinz Morgenroth / LEONI Bordnetz-Systeme GmbH</p>	<p>Why we Need the AI Manager</p> <p>Dr. Ulrich Bodenhausen / Vector Consulting Services GmbH Dr. Arnulf Braatz / Vector Consulting Services GmbH</p>	<p>Automotive SPICE® SWE processes for complex Open Source Software</p> <p>Lukas Lansky / SUSE Linux s.r.o. Fabian Mueller / Kugler Maag Cie by UL Solutions</p>
12:30 - 14:00	Lunch Break / Exhibition time		

Afternoon Block 14:00 - 16:30	Session A2 Automotive SPICE® 4.0	Session B2 Product and functional safety	Session C2 Safety and Security
	<p>Automotive SPICE® V4.0 & Automotive SPICE® Guidelines V2.0 – Status Report from Working Group 13</p> <p>Albrecht Wlokka / Robert Bosch GmbH</p>	<p>Functional Safety audits und assessments according ISO26262 at Volkswagen</p> <p>Dennis Gier / Volkswagen AG</p>	<p>Hardening Centralized Vehicle Systems with Mandatory Access Control</p> <p>Felix Bräunling / Method Park by UL</p>
	<p>Automotive SPICE® Potential Analysis</p> <p>Ralf Merettig / Volkswagen AG Tim Burtika / BMW Group</p>	<p>Product Safety 2.0</p> <p>Dr. Andreas Amoroso / Continental Automotive Technologies GmbH</p>	<p>Joint Specification and Testing of Safety and Security Requirements</p> <p>Prof. Dr. Holger Schlingloff / ZeSys e.V.</p>
	<p>Automotive SPICE® 4.0 and the influence on the intacs training and certification scheme</p> <p>Bernhard Sechser / intacs e.V. / Process Fellows GmbH</p>	<p>ANSI/UL 4600 – A Checklist for Autonomous Vehicle Safety Cases?</p> <p>Dr. Daniel Brenk / Method Park by UL Solutions</p>	<p>Automotive SPICE® for Cybersecurity Risk Assessment: what can we expect?</p> <p>Dr. Thomas Liedtke / Vector Consulting Services GmbH Dr. Richard Messnarz / ISCN GesmbH</p>
16:30 - 17:00	Afternoon break		
17:00 - 17:45	<p>Afternoon keynote Large Language Models in Automotive Security</p> <p>Prof. Dr. Hans-Joachim Hof / Vizepräsident Digitalisierung Chief Information Officer (CIO) / Technische Hochschule Ingolstadt</p>		
19:00 - 23:00	Evening event		

Evening event

Tuesday, 11 July 2023

Meeting point: nhow Hotel Berlin check in area

Meeting time: 19:00

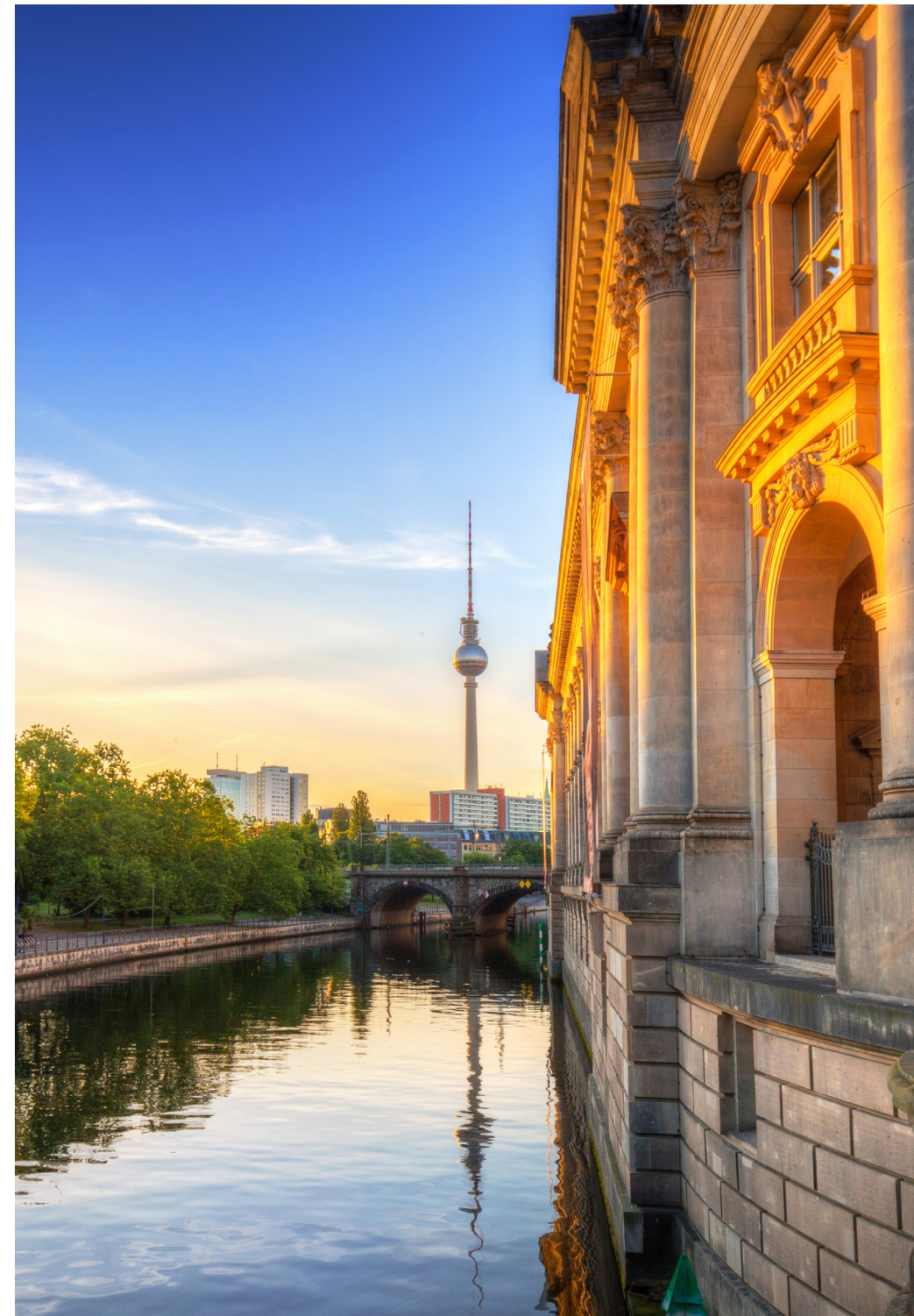
Return: around 23:30

nhow Hotel Berlin

Stralauer Allee 3
10245 Berlin

We invite you to join us on a boat trip along the river Spree through the heart of Berlin.

The river Spree offers a unique way to see Berlin. The 3-hour dinner cruise will reveal to you the beauty of Berlin, which remains unknown to most visitors. A city with more bridges than Venice and an extensive network of canals offers a wide diversity of attractions: from the beautiful forest in the east, to the Museum Island UNESCO World Heritage Site and the modern architecture of Berlin.



Programme

Conference Day 2

Wednesday, 12 July 2023

08:00 - 09:00 Conference setup / Registration

09:00 - 09:45
 Morning keynote
 Frontier Technology, Managing the data from self-driving cars.
 Vanessa Eriksson / Data & AI Influencer, Advisor & Change Leader

09:45 - 10:15 Coffee Break & Room Change

Morning Block 10:30 - 12:15	Session A3 Application of Assessment Models	Session B3 Assessment Practice	Session C3 Integrated Assessment Approaches
	<p>M&S SPICE - Structured Assessment of Modeling & Simulation for Virtual Approval</p> <p>Martin Benedikt / Virtual Vehicle Research GmbH</p>	<p>Impacts of Globalisation and Covid19 on Assessment in Future</p> <p>Selina Meza / Valeo Klimasysteme GmbH</p>	<p>Integrated Assessment Approach – A Learning Experience</p> <p>Sripathy Ramachandran Iyer / Harman International India Pvt. Ltd.</p> <p>Jing Sun / Harman Becker Automotive Systems GmbH</p>
	<p>Long-term experiences with Mechanical SPICE in a complex product development</p> <p>Timo Karasch / Process Fellows GmbH</p>	<p>Experience on assessor's skill-up support.</p> <p>Kazunari Tabuchi / Business Cube & Partners, Inc.</p>	<p>How to avoid (ASPICE) Assessments - 7 ways to get away</p> <p>Sandro Antenori / Continental Automotive Technologies GmbH</p>

12:15 - 13:15 Lunch Break

13:15 - 14:00 Panel discussion: Ask intacs and Working Group 13

14:00 - 14:45
 Closing Keynote
 Holistic Mobility Development
 Mary Joyce / Global Vice President and General Manager Critical Systems and Mobility / UL Solutions

14:45 - 15:00 Conference closing

General Conference Information

10 - 12 July 2023 • Berlin

Participation Fee for the Conference and Workshops

Participation Fee
FACE-TO-FACE EVENT in Berlin: €3,150.00

The fee includes:

- 1 Workshop Day + 2 Conference Days
- Keynotes
- Lectures
- Panel discussion
- Conference documentation
- Light meals on all days
- Cocktail reception and social event with dinner on 11 July 2023

Online Registration:

www.vda-qmc.de/veranstaltungen/

For more information, please
contact:

Conference team

Email: konferenz@vda-qmc.de

Participant registration

Email: events@vda-qmc.de

VDA QMC

Verband der Automobilindustrie
Qualitäts-Management-Center

Verband der Automobilindustrie e.V. (VDA)
Qualitäts-Management-Center (QMC)

Behrenstraße 35
10117 Berlin

Tel.: +49 30 / 89 78 42-0
Fax: +49 30 / 89 78 42-605

www.vda-qmc.de

Certificate of Attendance

Automotive SPICE® Assessor

On-site attendance will be accepted as
EE-EP: External Passive

for your certification as intacs
Automotive SPICE® assessor.



Hotel information

To receive the special conference rate, please use the following booking code: **VDA QMC / SYS**
Reservation no: **111557040** *Minimum stay of two nights required*

Single room incl. breakfast per night €150.00



nhow Hotel Berlin

nhow Hotel Berlin
Stralauer Allee 3
10245 Berlin

Telephone: +49 30 22 380 233
Email: reservierungen@nh-hotels.com
Homepage: www.nhow-berlin.com

The special conference rate can be booked till 24 June 2023

Directions to the hotel

Arrival/site plan

By car

The hotel's GPS coordinates:
52.501296°N 13.450797°E

From the airport

From the Berlin Brandenburg Airport BER: Take the S9, which departs every 20 minutes, and alight at "Warschauer Straße". The hotel is on the right on Stralauer Allee. It will take you 40 minutes.

By train

From Warschauer Straße: Turn left twice until you get onto Stralauer Allee; The hotel is on the right.
Closest metro station: Warschauer Straße (U1, S3, S5, S7, and S75)

By taxi

It's a 30-minute drive and will cost around €50.

Parking

Offsite, free. Onsite, €2 for 1 hour, + €1 for every additional hour up to 6 hours, or €18/day.



UPCOMING EVENTS

2023

 **AUTOMOTIVE SYS®**

VDA Automotive SYS® Conference

10–12 July 2023 in Berlin

IAA»
MOBILITY

VDA QMC Expert Forum at the IAA MOBILITY

05–10 September 2023 in Munich

GIPFELTREFFEN
im Verband der Automobilindustrie

19th Quality Summit Meeting of the Automobile Industry

15–16 November 2023