

# Quality, Safety and Security for Automotive Software-Based Systems

July 03 - 05, 2024 • Nauen

**REGISTER NOW!**



  
early bird  
discount **30%**  
valid until April 30, 2024  
discount code:  
**SYS2024**

# Conference Program

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

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



For more information,  
please contact:

**Project / Event Management,  
Editorial Staff, Marketing**  
Ms Cosmina Baican  
Email: [konferenz@vda-qmc.de](mailto:konferenz@vda-qmc.de)

**Conference team**  
Email: [konferenz@vda-qmc.de](mailto:konferenz@vda-qmc.de)

**Participant registration**  
Email: [event@vda-qmc.de](mailto:event@vda-qmc.de)

Conference  
Location

Landgut Stober  
Behnitzer Dorfstraße 27-31  
D-14641 Nauen, Germany  
OT Groß Behnitz

Telephone: +49 033239 - 20 44 0  
Email: [info@landgut-stober.de](mailto:info@landgut-stober.de)  
Homepage: [www.landgut-stober.de](http://www.landgut-stober.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](mailto:aussteller@vda-qmc.de)



# Conference Program

## Day 1

Wednesday, July 03, 2024	
08:00 - 09:00	Conference Setup / Registration
09:00 - 09:30	Opening / Welcome Note Henry Kuhle / German Association of the Automotive Industry e.V. (VDA)
09:30 - 10:15	Morning Keynote Driving Technical Compliance in the Automotive Industry Alexander Klotz / Head of Technical Compliance / Vitesco Technologies GmbH
10:15 - 10:45	Coffee Break

	Session A1 Report from standardization groups	Session B1 Automotive SPICE® adaption	Session C1 Cybersecurity
10:45 - 13:15	Report from ISO/TC 22/ SC 32/ work Group 8 – Functional Safety Andreas Knapp / Mercedes Benz AG	Case study: Automotive SPICE® Extension with Functional Safety Mark Hirche / Volvo Technology AB	Performing systematic risk analysis at design phases of automotive cybersecurity development (TARA Lite) Preeju Narayanan Mani / Kugler Maag Cie by UL Solutions
	Automotive SPICE® PAM v4.0 & guidelines v2.0 – a report from work group 13 Albrecht Wlokka / Robert Bosch GmbH	Software assessment adaptation practice Jingyu Xiang / VDA Software Quality Advisory Board China / CARIAD China	Interaction and merging of cybersecurity specifications of TARAs from different levels Thomas Liedtke / Magility Cyber Security GmbH

	Session A1 Report from standardization groups	Session B1 Automotive SPICE® adaption	Session C1 Cybersecurity
10:45 - 13:15	The new road to assessor qualification with Automotive SPICE® 4.0 and other PAMs Bernhard Sechser / intacs e.V. / Process Fellows GmbH	Invisible Automotive SPICE® and guiding principles towards process improvement Markus Schmidt / Advantest	Lessons learned from a joint approach for Automotive SPICE® assessment, ISO 26262 audit and ISO 21434 audit Sandeep Chandrashekar / Infineon Technologies India Pvt Ltd
	What is SWQ AB China stand for? Qi Wang / VDA Software Quality Advisory Board China / Volkswagen AG		
13:15 - 14:15	Lunch Break & Exhibition Time		

	Workshop Session A1 Potential analysis	Workshop Session B1 Interpretation in assessments	Workshop Session C1 Software maintenance / SDV
14:15 - 17:15	Potential analysis with Automotive SPICE® – the new assessment model Balazs Harman / Valeo GmbH Ralf Merettig / Volkswagen AG Sandro Antenori / Continental AG Tim Burstika / BMW Attila Fehervari / Saneon GmbH	Automotive SPICE® assessments – a jurisprudential inspiration Ken Lai / Schaeffler Ancuta-Elena Bulgariu / Schaeffler Blaise-Florian Tchana / Schaeffler Stephane Hetzel / Schaeffler Raghunath Manjunath / Schaeffler	Software maintenance with Automotive SPICE® Siegfried Gaile / Continental Bhaskar Vanamali / UL Solutions Dirk Hamann / Schaeffler Barbara Leonhardt / Audi
	17:15 - 18:00	Workshop summaries	

# Conference Program

## Day 2

Thursday, July 04, 2024	
08:00 - 09:00	Conference Setup / Registration
09:00 - 10:00	Opening Keynote Gereon Hinz / Managing Director / STTech GmbH
10:00 - 10:30	Coffee Break & Room Change

	Session A2 Machine Learning / AI	Session B2 Safety and risks	Session C2 Compilers and safety
10:30 - 13:00	AI in the world of automotive process engineering Sanjay Mahadev Khatte / ZF CVS	A comprehensive approach for developing AI-integrated functional safety systems in road vehicle applications Jofin George / Vitesco Technologies	Can you trust your compiler? - Principles and benefits of formal compiler verification Daniel Kästner / AbsInt GmbH
	The need for AI and machine learning in mobility product development Antony John / Omnex Systems	Architecture-integrated risk analysis in agile developments Juergen Sauler / Bosch	Compiler certification is not enough for safety software Britta Linnemann / Functional Safety Solutions Hamburg GmbH

	Session A2	Session B2 Safety and risks	Session C2 Compilers and safety
10:30 - 13:00	Verification of ML specific Automotive SPICE® processes regarding applicability and support of a safety argumentation Lukas Bergmann / Volkswagen AG	A question of approach - a contrasting analysis of the risk- and scenario-based approach to securing autonomous vehicle functions Martin Stock / SGS-TUEV Saar GmbH	Open source safety on the example of Ferrocene Florian Gilcher / Ferrous Systems GmbH
13:00 - 14:00	Lunch Break & Exhibition Time		

	Workshop Session A2 Assessment rating and results	Workshop Session B2 Cultural / psychological	Workshop Session C2 Process improvement
14:00 - 17:00	Reducing Automotive SPICE® assessment results deviations – practical experience Haiko Etzel / Volkswagen AG Pierre Metz / Forvia Kosmas Kopmaier / UL Solutions	SPICE 4 Psychological safety – first ideas and challenges Danilo Assmann / enable.with.fun	Rethinking process improvement - workshop for VDA SYS 2024 Bhaskar Vanamali / Kugler Maag CIE by UL solutions Markus Mueller / Kugler Maag CIE by UL solutions Michael Minigshofer / Kugler Maag CIE by UL solutions
17:00 - 17:45	Workshop summaries		
19:00 - 23:00	Evening Event		



# Evening Event

Thursday, July 04, 2024

## Landgut Stober

Behnitzer Dorfstraße 27-31  
D-14641 Nauen, Germany

On Thursday evening, you are invited to a summer's evening event at Landgut Stober. The dress code is casual, but if the weather is good we will be outside, so bring some warm clothing.



# Conference Program

## Day 3

Friday, July 05, 2024

08:00 - 09:00 Conference Setup / Registration

09:00 - 10:00 Morning Keynote

Prof. Dr Hans-Joachim Hof / Vice President and Chief Information Officer /  
Technische Hochschule Ingolstadt (Campus and CARISSMA)

10:00 - 10:30 Coffee Break & Room Change

	Session A3 Process improvement	Session B3 Safety / critical systems	Session C3 Assessment practice
10:30 - 13:00	Software development effectiveness & agile transformation case study Suresh Babu Sathiyakumar / Harman International	Sound signal flow analysis to meet legislation requirements for exhaust Control systems Jörg Herter / AbsInt GmbH	Everything used to be better? - Challenges for modern assessors Timo Karasch / Process Fellows GmbH
	Automotive SPICE® improvement journey towards capability level 3/4 Cyrille Dewaele / Robert Bosch GmbH CC Brakes	Extra SW stress to improve critical automotive SW confidence and cost through 'ISVV' Patricia Rodríguez Dapena / NTT Data Spain	Why do assessors require soft skills – or – can a rhino become a good diplomat? Bhaskar Vanamali / Kugler Maag CIE GmbH by UL Solutions

Session A3  
Process improvement

Session B3  
Safety / critical systems

Session C3  
Assessment practice

10:30 - 13:00

Too busy to improve

Florian Schmitt /  
Process Fellows GmbH

Practical AD validation

Andreas Amoroso /  
Continental Automotive  
Technologies GmbH

Automotive SPICE®  
against resistances

Thomas End / CARIAD SE

13:00 - 14:00

Lunch Break & Exhibition Time

14:00 - 14:45

Closing Keynote

14:45 - 15:00

Conference Closing

# General Conference Information

July 03 - 05, 2024 • Nauen

Participation Fee for the Conference and Workshops

Participation Fee €3,150.00

The fee includes:

- ✓ A 3-day conference
- ✓ Keynotes
- ✓ Workshops and Lectures
- ✓ Workshop summaries
- ✓ Conference documentation
- ✓ Light meals on all days
- ✓ Cocktail reception and social event

## Automotive SPICE® assessor

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

for your certification as intacs Automotive SPICE® assessor.



For more information, please contact:

**Project-/ Event Management, Editorial Staff, Marketing**  
Ms Cosmina Baican  
Email: [konferenz@vda-qmc.de](mailto:konferenz@vda-qmc.de)

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**VDA QMC**

Verband der Automobilindustrie  
Qualitäts-Management-Center



# Hotel Information

The special conference rate can be booked till May 15<sup>th</sup> 2024

To receive the special conference rate, please scan the QR code and use the following booking code: VDA QMC  
Single room incl. breakfast per night €149.00



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# Directions to the Hotel

We recommend arriving the day before the conference

## How to reach us/site plan

### By car

Landgut Stober is located in the Berlin area: Approx. 20 minutes west of the Berlin city limits. Located on Alleenstrasse, you can reach Nauen/Groß Behnitz via the B5 (Heerstrasse). Just follow the brown signs.

Just a 50-minute drive from the Brandenburg Gate.

Approx. 60 minutes from Berlin Brandenburg Airport (BER).

### From the airport

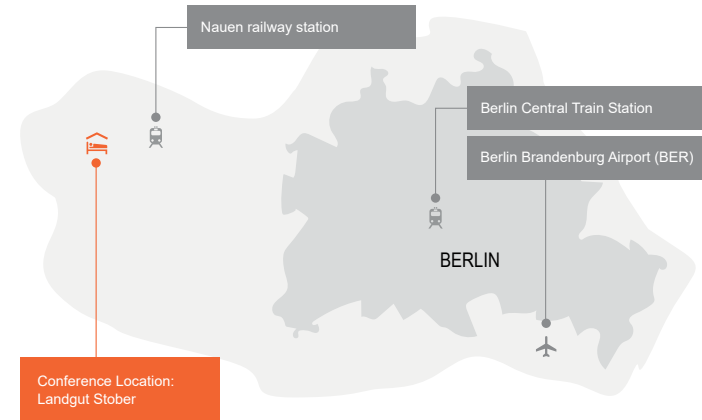
Berlin Brandenburg Airport (BER)

### By rail

Approx. 30 minutes from Berlin Central Train Station to Nauen railway station

### Parking

Free on-site parking





# UPCOMING EVENTS

2024



## Quality Management Symposium of the Automotive Industry

May 15 - 16, 2024 in Hanover



## VDA Automotive SYS® Conference

July 03 - 05, 2024 in Nauen



## VDA QMC Expert Forum on IAA TRANSPORTATION

September 17 - 22, 2024 in Hanover



## 20th Quality Summit of the Automotive Industry

November 26 - 27, 2024 in Berlin