Fifth VDA Automotive SYS® Conference

Quality, Safety and Security for Automotive Software-based Systems

15th - 17th July 2015
Kongresshotel Potsdam am Templiner See
**On behalf of the German Association of the Automotive Industry (VDA), I am happy to invite you to the VDA Automotive SYS® Conference 2015. The conference is now in its fifth year, making this event well established in the community. I hope that you will have the chance to take time in July to join us again for interesting talks and discussions, networking and learning. This year we have decided to include security as an additional main topic for the conference to reflect the increasing challenges our industry is facing in the development of networked vehicles. With the excellent support of our programme committee we have again setup a mix of high quality workshops, keynotes and presentations. The organisation team, programme committee and all of VDA QMC staff involved in the conference will do their best to make you remember the 2015 conference as an informative and innovative event. I’m looking forward to meeting you at the Automotive SYS® 2015 and I hope for good weather giving us all the chance to enjoy the evening event on Lake Templin in Potsdam.**

**Save the 6th – 8th of July for the Automotive SYS® 2016 in Berlin, Dahlem.**
Conference Programme

The conference programme focuses on quality, functional safety and security of modern automobile electronics with respect to regulations and relevant standards. This event will deal with both technical methods/solutions and management practices. The following topics will be addressed in three distinctive programme sessions, which will run in parallel.

Session A (Management and Processes Session): Quality, functional safety and security management

This session focuses on organisational aspects, infrastructure and process management, process assessments, safety and security process audits. It will deal with management and organisational aspects of quality, functional safety and security in the context of relevant standards such as ISO 26262, ISO/IEC 27000 series and Automotive SPICE® and their efficient combination.

Session B (Methodology Session): Risk, safety and security analyses and assessments

This session contains specialist presentations on functional safety methodology, safety concepts and safety analyses and the implementation and interpretation of ISO 26262. Risk assessments and hazard analysis techniques for both safety and security of embedded systems are in the scope of this session.

Session C (Technical Session): Embedded safety and security

It addresses the technical dimensions and focuses on embedded safety and security concepts. Both hardware and software measures to avoid vulnerability of software-based systems in the vehicle are part of this session. Presentations on typical security threats for mobile embedded applications and the fundamental protective methodologies and technologies can be found here.

The conference is accepted by the international assessor certification scheme (intacs™) as active or passive experience evidence for certification as a competent or principal assessor Automotive SPICE®.

Tutorial and Workshop Day
Prior to the main conference, we have organized a tutorial and workshop day in conjunction with highly experienced trainers and experts. The tutorial and workshop content is based on the conference topics.

Two basic tutorials will be held. In the morning you will learn about safety analysis and in the afternoon you will get an overview and a comparison of different quality related methods and standards to help you identify their specific purpose and goals.

Tutorial and Workshop Day

Wednesday, 15th July 2015

08:00 - 10:00 Workshop Registration

10:00 - 13:00
A1: Basic Tutorial
TUTORIAL: Safety Analyses per ISO 26262 - Which, why, and how do they fit together
Tomislav Lovric, TRW Automotive, Lucas Verity GmbH Germany

B1: Software development processes for safety and security
WORKSHOP: Feel safe without QAI? Why Software QA matters for Functional Safety
Pascal Vollmer, ITK Engineering AG; Marc Götting, ITK Engineering AG; Bernd Holzmüller, ITK Engineering AG

C1: Hardware for safety and security
WORKSHOP: Hardware designed for safety and security
Christopher Temple, Infineon Technologies AG; Robert Colombo, ST Microelectronics; Rafael Zalman, Infineon Technologies AG

13:00 - 14:00 Lunch break

14:00 - 17:00
A2: Basic Tutorial
TUTORIAL:QM methods and standards. VDA 6.3, VDA-PSA, ISO TS 16949, Automotive SPICE® and ISO 26262
Thorsten Höppner, QMH Consulting; Timo Karasch, Method Park

B2: Organisational maturity assessments
WORKSHOP: intacs™ Organisational Maturity Assessments
Markus Müller, International Assessor Certification Scheme (intacs e.V); Detolf Ubandal, International Assessor Certification Scheme (intacs e.V)

C2: Software coding for safety and security
WORKSHOP: Coding for safe and secure software
William Forbes, TRW Automotive; David Ward, MIRA Ltd.; Priyamvada Vembar, Bosch CoC Security

13:00 - 10:00 Workshop Registration

19:00 - 19:30 Welcome andOpening Remarks

19:30 - 20:30 Welcome and Opening Remarks

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One specific topic, the conference covers is the influence of software and hardware on the security and safety of in-vehicle systems. Therefore you will have the chance to attend a workshop on hardware-based safety and security features given by experts from the silicone industry. The relationship between software quality assurance and the quality of software code on the avoidance of bugs threatening safety and security will be covered.

Another interesting topic will be addressed by intacs experts giving you a detailed insight in organizational maturity assessments based on SPICE.

Last but not least we have established a specific morning and afternoon session from which you can get detailed information on project management and process improvement in an agile software development environment.
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<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>08:00 - 09:00</td>
<td>Conference Registration</td>
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<tr>
<td>09:00 - 09:30</td>
<td>Welcome Note Dr.-Ing. Ulrich Eichhorn, Managing Director, German Association of the Automotive Industry (VDA)</td>
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<tr>
<td>09:30 - 10:15</td>
<td>Opening Keynote - “The networked vehicle and automated driving – opportunities and challenges” Dr. Frank Rabe, Senior Vice President, Continental AG, Head of Corporate Quality and Environment</td>
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<td>10:15 - 10:45</td>
<td>Morning break</td>
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<td>10:50 - 12:30</td>
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<td>12:30 - 13:45</td>
<td>Conference Day 1</td>
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<td>13:45 - 15:45</td>
<td>Conference Day 2</td>
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<td>15:45 - 16:15</td>
<td>Afternoon break</td>
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<tr>
<td>16:15 - 17:00</td>
<td>Afternoon Keynote - Principal Vice President, Continental AG, Head of Corporate Quality and Environment</td>
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<td>17:00 - 18:00</td>
<td>Meet the experts: Primary and Panel Discussion with international leaders in the areas of security, safety and quality</td>
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<tr>
<td>18:45 - 22:30</td>
<td>Evening-Event: boat trip around Potsdam</td>
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On Thursday the 16th of July we would like to invite you to be part of a boat trip around Potsdam accompanied by unique live music.

Meeting point: Lobby Kongresshotel Potsdam
Meeting time: from 18:45*
Dress Code: Casual

Evening-Event

Thursday, 16th July 2015

For more information please contact:
Ms Julia Feldmann
Telephone: +49 30 / 89 78 62 - 231
E-mail: feldmann@vda-qmc.de

Dr.-Ing. Louise Stewart
Telephone: +49 30 / 89 78 62 - 253
E-mail: stewart.extern@vda-qmc.de

Conference Registration
Mr Semih Köşger
Telephone: +49 30 / 89 78 62 - 232
E-mail: events@vda-qmc.de

* Please be aware that the boat will depart at 19:15. It is not possible to enter the boat after departure!

General Conference Information

15th - 17th July 2015 at the Kongresshotel Potsdam am Templiner See

For more information please contact:
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E-mail: feldmann@vda-qmc.de

Dr.-Ing. Louise Stewart
Telephone: +49 30 / 89 78 62 - 253
E-mail: stewart.extern@vda-qmc.de

Conference Location
Kongresshotel Potsdam
Am Luftschiffhafen 1
14471 Potsdam, Germany
Telephone: +49 331 / 907 - 0
Fax: +49 331 / 907 - 70 777
E-mail: info@hukg.de
Web: www.kongresshotel-potsdam.de

Conference Dates
15th July 2015 09:00 - 17:00 Workshop Day
16th July 2015 09:00 - approx. 22:30 Keynotes, lectures, panel discussion and social event
17th July 2015 09:00 - 16:30 Keynotes, lectures

Participation fee for the Conference and Workshops
Workshop + 2 days Price: *€ 990.00 (plus VAT)
Workshop + 1 day Price: *€ 650.00 (plus VAT)

* The fee includes: conference documentation, light meals on all days, cocktail reception and social event with dinner on 16th July 2015

Quality, Safety and Security for Automotive Software-Based Systems
By car:
from the north: coming from the A24, turn onto the A10 (‘Berliner Ring’), exit ‘Potsdam Nord’, direction ‘Potsdam-Zentrum’ via Zeppelinstrasse, left before city limits
from the west: coming from the A2, turn onto the A10, exit ‘Groß-Kreutz’, direction ‘Potsdam-Zentrum’, right at city limits
from the south/east: coming from the A9/A13/A12, turn onto the A10, exit ‘Michendorf’, take B2 direction of ‘Potsdam-Zentrum’ via Zeppelinstrasse, left before city limits
By public transport:
With the S-Bahn or regional train to ‘Potsdam Hauptbahnhof’ (main station) and then either:
• With 91 tram to the last station ‘Bahnhof Pirschheide’. Please follow signs to the hotel, which is about 5 minutes away.
• Take the 631 bus in the direction of ‘Werder’, disembark at ‘Luftschiffhafen’ stop, left before the bridge, then also follow signs to hotel, approx. 5 minutes by foot.

By plane:
Berlin Schönefeld:
Take the RB 22 regional train from the ‘Berlin Schönefeld’ airport to the ‘Potsdam Charlottenhof’ train station and then take 91 tram to the last stop ‘Bahnhof Pirschheide’. Travel time is around 55 minutes. From the ‘Pirschheide’ station you will need approx. 5 minutes by foot to the ‘Kongresshotel Potsdam’, please follow the hotel signs. | Approx. taxi costs: € 75.00

Berlin Tegel:
Take the 109 bus in the direction of ‘Zoologischer Garten’ to S-Bahn station ‘Charlottenburg’. From there you will take the RE1 regional train to ‘Potsdam Hauptbahnhof’ (main station). Then you will take the 631 bus or the 91 tram to ‘Luftschiffhafen’. Travel time is approx. 60 minutes. From there it takes around 5 minutes by foot to the ‘Kongresshotel’, please follow the hotel signs. | Approx. taxi costs: € 70.00

www.berliner-flughaefen.de |

Parking facilities:
For cars:
The hotel has an underground garage. Daily rate* for overnight guests: € 7.00
* for non-resident guests: €10.00
Free parking is available near the hotel.

Hotel Information
Kongresshotel Potsdam
Am Luftschiffhafen 1
14471 Potsdam, Germany
Telephone: +49 331 / 907 - 0
Fax: +49 331 / 907 - 70 777
E-mail: info@hukg.de
Web: www.kongresshotel-potsdam.de

Hotel rooms can be booked online at www.kongresshotel-potsdam.de
(switch to the English website)
Please enter the following booking code ‘VDA_QMC’ to receive the special conference rate.
• € 85.00 / night; single room incl. breakfast
• € 115.00 / night; double room single use incl. breakfast
Please book your room before 15th May 2015 to get the special conference rate.

Directions to the hotel
from the north: coming from the A24, turn onto the A10 (‘Berliner Ring’), exit ‘Potsdam Nord’, direction ‘Potsdam-Zentrum’ via Zeppelinstrasse, left before city limits
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