Save the 6–8 July 2016 for the Automotive SYS 2016 in Berlin, Dahlem. The conference will provide a public viewing for all football fans who do not want to miss the semi-final of the European championship.

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. Since last year, security has been included as a main topic for the conference. This reflects the increasing challenges facing our industry with 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 VDA QMC staff involved in the conference will do their best to make sure that you remember the conference as informative and innovative.

I am looking forward to meeting you at the Automotive SYS 2016 and I hope for your good weather giving us all the chance to enjoy the evening event, which will include a mix of activities for all ages.

For many of you, this conference has become a “must attend” in your annual calendar. As a participant in one of the panel discussions some years ago, I am convinced that this year’s conference will meet your and my expectations as in previous years.

I am looking forward to meeting you at the Automotive SYS 2016 in Berlin, Dahlem.
The conference programme focuses on quality, safety, security and correctness of automotive electronics. The following topics will be addressed in different programme sessions running in parallel:

Process and Management Session: Quality, functional safety and security management
This session focuses on organisational aspects, infrastructure and process management, process assessments as well as safety and security audits. It will deal with management and organisational aspects of quality, functional safety and security in the context of international and industry-specific standards.

Methodology Session: Measurement, analysis, assessments and improvement
In this session, specialists will be giving presentations on functional safety methodology, safety concepts and safety analysis and the implementation and interpretation of ISO 26262. Quality measures, process or risk assessments and hazard analysis techniques for software-based embedded systems are also covered in this session.

Technical Session: Embedded safety and security
This session addresses technical engineering and focuses on embedded safety and security concepts. Discussions of measures for both hardware and software to avoid vulnerability of software-based systems in the vehicle are included in this session. There will be presentations on typical security threats for mobile embedded applications and fundamental protective methodologies and technologies.

TUTORIAL AND WORKSHOP DAY

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

09:00 - 10:00 Workshop registration
10:00 - 13:00

Workshop A1: Agile Development and AUTOSAR 3.0 – How does it fit together?
Markus Mueller, Kugler Maag Cie
Frank Beamer, Kugler Maag Cie
Terminology, Terminology, Terminology
Adam Schnellbach, Magna Powertrain
Pierre Metz, Brose Fahrzeugteile
13:00 - 14:00 Lunch break
14:00 - 17:00

Workshop A2: Detailed Design in Model-based Development – Compliance with AUTOSAR PRM V3.0 and ISO 26262-6
Heiko Dzem, Model Engineering Solutions GmbH
Dimitri Bermas, Volkswagen AG
Haiko Witt, VW GmbH

Workshop B1: ISO 26262 – Dependent Failure Analysis In Practice
Adam Schnellbach, Magna Powertrain

Workshop B2: Evolving needs for software systems demonstrated
Alexander Much, Elektrik Automotive GmbH
Rudolf Grun, Elektrik Automotive GmbH

Workshop C1: Developing Secure Software: ISO 27034 based
Hartmut Pohl, Thomas Bozi, sav@trace GmbH

Workshop C2: Software quality and VDA Volumes 1, 2, 6.3 – how does it fit together
Thomast Hippper, QMH Consulting
Bernhard Sechser, Method Park

CONFERENCE PROGRAMME

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08:00 - 09:00  Conference registration
09:00 - 09:30  Welcome note  Dr. Kay Lindemann, Managing Director, German Association of the Automotive Industry (VDA)
09:30 - 10:15  Opening keynote  Arnd Schaarschmidt, Head of Central Group Quality Assurance at the Volkswagen Group
10:15 - 10:50  Morning break
11:00 - 12:15  Sessions A1 | B1 | C1

Session A1
Status Report WG013  Bernhard Holzer, Bosch Group
Status next revision ISO 26262  Jürgen Schwarz, Daimler AG

Session B1
From "Safe State" to "Degradation Cascades" – Structural and Quantified Requirements for Automated Driving Systems  Mounir Taider, DNV GL
Enhancing the test and validation of complex systems with automated search for critical situations  Jörg Hermes, Hermes Sicherheit- und Qualitätsmanagement

Session C1
Secure Coding and the Secure Software Development Lifecycle  Daniel Mayer, NCC Group
Secure coding  Andrew Banks, Horiba MIRA
David Widj, Horiba MIRA

12:15 - 13:30  Lunch break
13:30 - 14:15  Afternoon keynote  Klemens Schmiederer, Member of the Board of Management, TÜV SÜD AG
14:15 - 14:30  Conference closing: best presentation award

09:00 - 09:45  Morning keynote  Udo Willmes, Senior Vice President, Robert Bosch GmbH
09:45 - 10:15  Morning break
10:15 - 12:15  Sessions A3 | B3 | C3

Session A3
Safety architecture-oriented approach and introduction of SCDL (Safety Concept Description Language)  Shuhei Yamashita, DNV GL
Legal Responsibility along the Supply Chain in light of ISO 26262 and ISO/TS 16949  Felix Schelker, Noerr LLP
A Practical Approach to Integrated Automotive Safety and Security Development  John Favaro, Intecs S.p.A

Session B3
Modular Security Engineering in the Automotive Domain  Thorsten Treusch, ASCII
The need and approaches towards normative standards in Automotive Security Engineering  Priyamvadha Vembar, Bosch Center of Competence Security
Modern Development using the Design-Centered Approach  Dr. Ovi Bachmann, Sibac International

Session C3
Experiences and Expectations with Organisational Maturity Assessments  Hans-Jürgen Kugler, Kugler Maag Cie
You can teach old dogs new tricks – or – organizations and ecosystems  Jonas Eulitz, Bosch Group

12:15 - 13:30  Lunch break
13:30 - 15:30  Sessions A2 | B2 | C2

Session A2
Safety of automated Road Vehicles – beyond ISO26262  Alexander Tadday, Bosch Engineering
Practical Experiences with introducing ISO26262 into a GM SW Organization  Hans Leo Ross, Bosch Engineering
Save life and save time – efficient and effective safety requirements analysis and elicitation  Steffen Reith, University of Wiesbaden

Session B2
Safe Linux Application  Alexander Tadday, Bosch Engineering
Hier Lea Ross, Bosch Engineering
Computation of failure probabilities for ISO 26262 using probabilistic FMEA  Manfred Scholz, General Motors / Adam Opel AG
Cryptographic methods  Andreas Hrabak, Horiba MIRA
The «CEM» way to implement (3) Independence or how to resolve critical findings effectively  Andreas Hrabak, Horiba MIRA

Session C2
Deploying centre of excellence model at JLR – A Case Study  Manfred Scholz, General Motors / Adam Opel AG
The Product Line Engineering approach for System-Safety at General Motors / Opel  Manfred Scholz, General Motors / Opel AG
The Product Line Engineering approach for System-Safety at General Motors / Opel  Manfred Scholz, General Motors / Opel AG
The «CEM» way to implement (3) Independence or how to resolve critical findings effectively  Andreas Hrabak, Horiba MIRA

15:30 - 16:15  Afternoon break
16:15 - 17:00  Afternoon keynote  Horst Reichardt, Member of the Board of Management, TÜV SÜD AG
17:00 - 18.00  Meet the experts: Plenary and Panel Discussion with international leaders in the areas of security, safety and quality
19:00 - 23:00  Evening event
On Thursday evening, we would like to invite you to a traditional Berliner Beer Garden at Paulsborn Hunting Lodge on Lake Grunewald. Enjoy the summer evening, watch the football and spend time with your friends and colleagues from the SYS 2016.

Paulsborn am Grunewaldsee
Hüttenweg 90
14193 Berlin

The dress code is casual but please bring something warm as we will be sitting outside. We will provide a shuttle service from the hotel to Paulsborn and back.

EVENING EVENT
Thursday, 7 July 2016

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The dress code is casual but please bring something warm as we will be sitting outside. We will provide a shuttle service from the hotel to Paulsborn and back.
HOTEL INFORMATION

SEMINARIS CampusHotel Berlin
Takustraße 39
14195 Berlin
Telephone:  +49 30 / 55 77 97 – 0
Fax:  +49 30 / 55 77 97 – 100
Email:  berlin@seminaris.de
Web:  www.seminaris.de

Quality, Safety and Security for Automotive Software-based Systems

DIRECTIONS TO THE HOTEL

Don't miss out on the conference rate at SEMINARIS.
Deadline for booking rooms at the conference hotel (with conference rate):
5 June 2016

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14195 Berlin
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5 June 2016

BY CAR:
From the north:
On the A115 traveling south take AS2 Hüttenweg in the direction of the city. Turn left into Clayallee then right into Königin-Luise-Str. and finally right onto Takustraße.

From the west:
On the A2 / A10 / A115 from Potsdam take AS 4 Zehlendorf / 1 Potsdamer Chaussee. Turn left into Clayallee then right into Königin-Luise-Str. and finally right into Takustraße.

From the south:
Travelling on the A103 / AS 5 Schloßstrasse to the B1, Unter den Eichen turning right onto Fabeckstraße then Lansstraße.

BY PUBLIC TRANSPORT:
U-Bahn station Dahlem Dorf is just a few minutes walk from the hotel.

BY PLANE:
From Tegel Airport (15 km):
25 min by taxi and 30 min by public transport.

From Schönefeld (25 km):
45 min by taxi and 60 min by public transport.

PARKING FACILITIES:
For cars:
There is underground parking for hotel guests and conference participants at the hotel.