

## Programme committee

- Prof. Dr. Heiner Bubb, Prof. Dr. Klaus Bengler, Technical University of Munich, Institute of Ergonomics
- Prof. Dr. Georg Färber, Technical University of Munich, Lehrstuhl für Realzeit-Computersysteme (RCS)
- Dr. Johann Gwehenberger, Allianz Zentrum für Technik GmbH
- Dr. Uwe Koser, AUDI AG
- Dr. Ulrich Kreßel, Daimler AG
- Prof. Dr. Klaus Langwieder, International Safety Consulting
- Dr. Markus Lienkamp, Volkswagen AG
- Jochen Pfaeffle, Robert Bosch GmbH
- Dr. Peter E. Rieth, Continental Automotive Systems
- Walter Schwertberger, MAN Nutzfahrzeuge AG
- Andre Seeck, Director and Professor, Federal Highway Research Institute (BAST)
- Prof. Dr. Gernot Spiegelberg, Siemens AG
- Prof. Dr. Christoph Stiller, Karlsruhe Institute of Technology, Department of Measurement and Control (MRT)
- Dr. Peter F. Tropschuh, AUDI AG
- Dr. Lothar Wech, TÜV SÜD Automotive GmbH
- Dr. Dirk Wisselmann, BMW Group Research and Technology
- Prof. Dr. Hans-Joachim Wünsche, Universität der Bundeswehr München

## Chairman

- Prof. Dr. Bernd Heißen, Technical University of Munich, Lehrstuhl für Fahrzeugtechnik

## Exhibition

Interested companies have the opportunity to present their products and services in the exhibition which will be held parallel to the conference. Reserve your booth today! Enquiries should be addressed to Ute Alius: [ute.alius@tuev-sued.de](mailto:ute.alius@tuev-sued.de), Phone +49 89 5791-1647



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[www.tuev-sued.de/tagungen](http://www.tuev-sued.de/tagungen)

## Conference fee

€ 790,00 plus VAT

For members of universities a 50% discount will be granted. The registration fee includes participation, conference documentation, lunch and drinks during breaks as well as the evening event on April 15.

## Conference venue

TÜV SÜD Akademie GmbH  
Westendstrasse 199  
80686 Munich, Germany

You will receive travel and hotel information with the confirmation of your registration.

## Registration and information

**We are pleased to receive your registration today!**  
TÜV SÜD Akademie GmbH  
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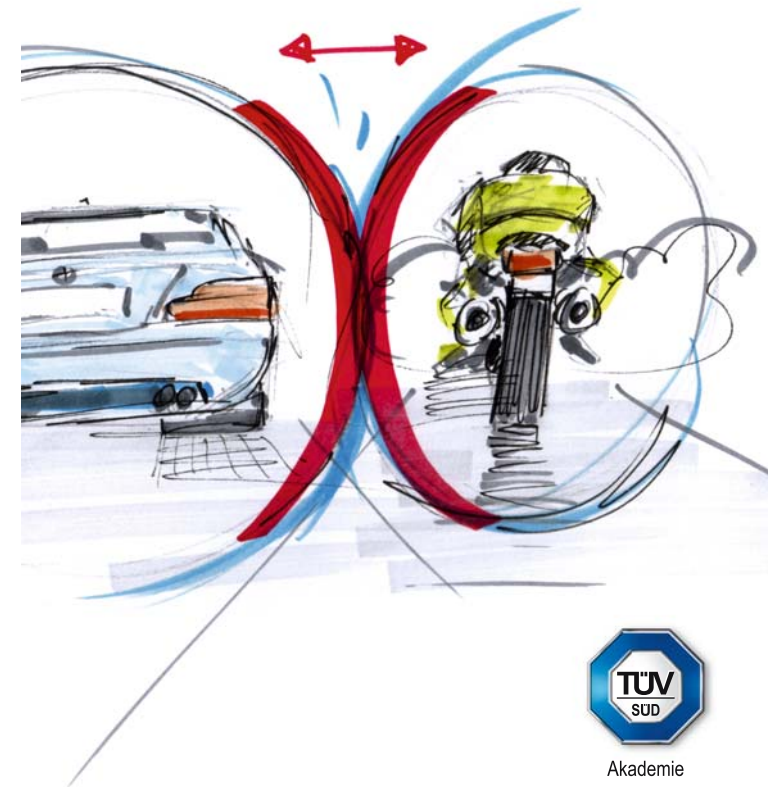


Announcement – Call for papers

## 4<sup>th</sup> Conference Safety through Driver Assistance

April 15 – 16, 2010, Munich, Germany

## New focus: Electric Traction



babiano kommunikation | 09-2009 | Photographic material: BMW Group



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## Safety through Driver Assistance

The safety of a ride in a motor vehicle is decisively affected by the quality of vehicle guidance which is provided by the driver and the assistance systems supporting him. Nowadays assistance systems represent a significant contribution to active safety. It can be assumed that this process will be continued as soon as the assistance systems are adjusted in a balanced way to the human ability in vehicle guidance and as soon as those, compared to the driver, are equipped with enhanced input information e. g. via car-to-car communication.

The actions of the assistance systems are based on a continuous analysis of the driving and traffic situation. This is performed simultaneously with the drivers' interpretation of the situation and takes into account the drivers' activities and – increasingly – his current state of attention and fatigue. Depending on the accuracy of the situation analysis the assistance system can directly influence the driving process or can offer help to the drivers' decisions as "artificial co-pilot".

The continuously increasing features of sensor technology and data processing involve an improvement of the assistance systems' interpretation abilities, though far from reaching human performance in vehicle guidance in complex traffic situations. Contributions of assistance systems therefore have to be aligned with a permanently updated interaction within the system of driver, vehicle and traffic situation

The increased electrification of power trains enlarges on the one hand the functional range of assistance systems, on the other however, carries new challenges with regards to safety and usability. To which extent can present systems be implemented? Which chances do result – related to safety – from latest potentials in electric traction?

Apart from presenting new developments and enhanced functions in the field of driver assistance systems the conference **Safety through Driver Assistance** offers a platform for an interdisciplinary information exchange.

## Conference topics

### Motivation and benefits

- Accident analysis
- Cost-benefit efficiency
- Ecology

### Features and systems

- Strategies in case of driver's blackout
- Navigation, lane guidance, stabilisation
- Actuatoric
- Standardisation, interoperability, adaptability

### Electric traction

- Usability
- Safety aspects
- Recuperation, stability, vehicle dynamics

### Human-Machine Interface

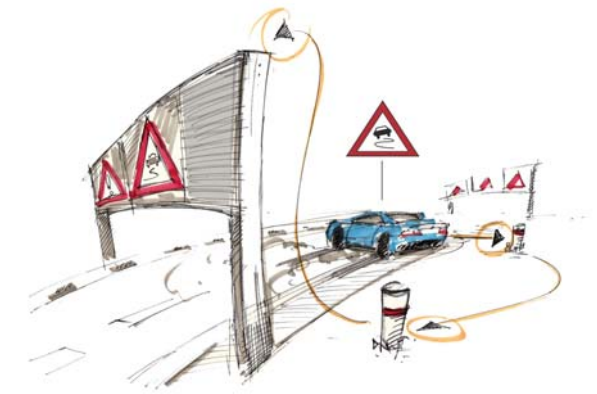
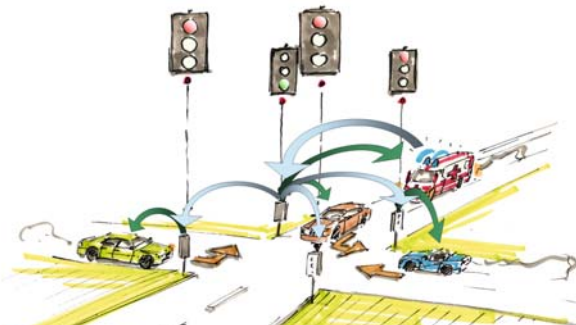
- Driver condition detection, driver intention detection
- Monitoring driver attention
- Ergonomics, driver acceptance

### Infrastructure and Detection of Driving Environment

- Road instrumentation, telematics
- Sensor technology, sensor data fusion
- Interpretation of sensor data and situation detection
- Knowledge representation

### Development, qualification, admission

- Processes and procedures
- Quality, reliability and security
- Legal concerns



## The conference addresses

- The automotive and supplier industry
- Development service providers
- System providers
- Universities and research institutions
- Authorities and federations

## Call for Papers

If you are interested in giving a presentation on the conference "Safety through Driver Assistance", please send an abstract by October 26, 2009 to TÜV SÜD Akademie, for the attention of Ute Alius (ute.alius@tuev-sued.de).

### Your proposal should include:

- Title of presentation
- Author's /coauthors' data: company address, telephone number and e-mail address
- An outline and/or brief contents (max. one page)

### Time schedule

- Submission of abstracts: October 26, 2009
- Notification of the authors: November 2009
- Submission of conference scripts: March 14, 2010