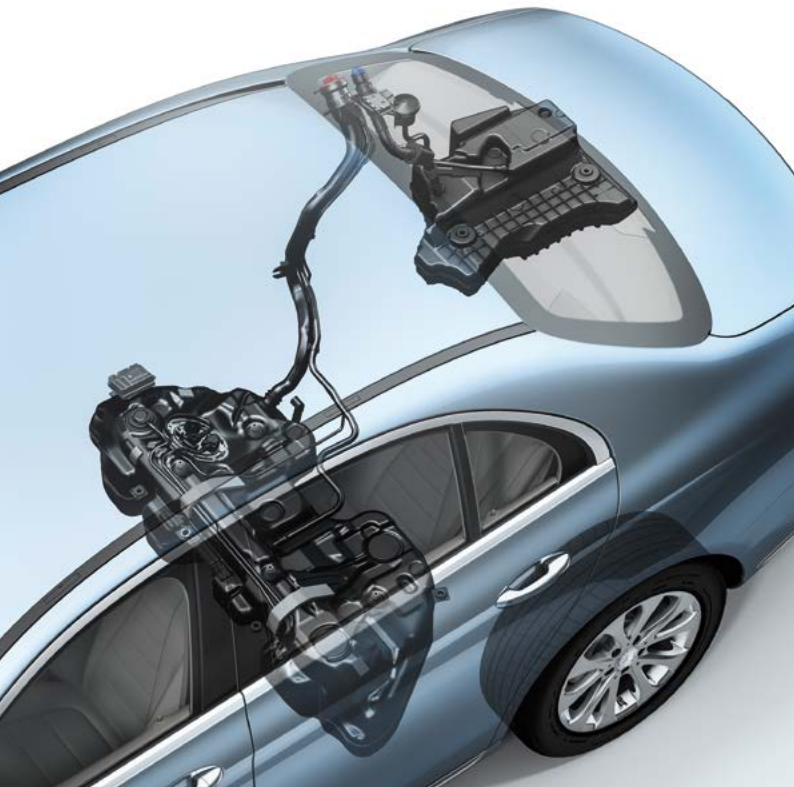




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Conference
November 2 – 3, 2017,
Munich, Germany



Committee

- Dr. Caroline Born, Ford-Werke GmbH
- Dirk Eulitz, Kautex Textron GmbH & Co. KG
- Timo Wiedel, Daimler AG
- Dr. Günther Požgainer
- Martin Scholz, BMW Group
- Martin Stickel, TI Automotive Technology Center GmbH
- Dr. Paul Wouters, Plastic Omnium

Chairman

- Walter Geier, TÜV SÜD Product Service GmbH

Conference Languages

German and English (simultaneous interpretation)

CONFERENCE PRICE AND VENUE

€ 990,00 plus current VAT (if applicable)

The registration fee includes conference documentation, lunch and beverages during breaks as well as the evening event.

INFINITY – HOTEL & CONFERENCE RESORT MUNICH (formerly Hotel Dolce Munich)

Andreas-Danzer-Weg 1
85716 Unterschleißheim (near Munich), Germany

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

The Conference

Every two years the automotive and supplier industries gather at the **tank.tech** conference to discuss current technologies and innovations in the area of fuel and SCR systems.

The conference 2017 is dedicated to review new power train trends and their requirements on fuel storing systems and component architecture and functionalities.

Other topics of the conference are tank systems for alternative power train technologies and development methodologies from simulation to testing: a special session on the second conference day will bring together people interested in the use of simulation methods for design, engineering, testing and validation.

The conference is intended for

- OEMs and supplier industries
- Component manufacturers and developers
- Consulting and engineering companies
- Mineral oil industry
- Universities and research institutes
- Authorities and associations

Exhibition

40 companies have already registered for the trade exhibition. On a surface area of 1500 square meters innovations, solutions and new products in the field of fuel storing systems are presented. The list of exhibitors is at: www.tuev-sued.de/tank.tech.

Agenda on November 2, 2017

09:30 Welcome
TÜV SÜD AG

09:45 Keynote
eFuels: Mandatory element or marginal note of future individual mobility?
Dr. Ansgar Christ, Steffen Eppler, Torsten Schulz, Robert Bosch GmbH, Germany

■ **Future Automotive Trends for Fuel Systems**
Chair: Dirk Eulitz, Kautex Textron GmbH & Co. KG

10:15 Evolution of global light duty evaporative emission regulations and the impact on fuel system architectures and materials
Philip A Yaccarino, General Motors LLC, Pamela Graham, Plastic Omnium, Auto Inergy Division, USA

10:40 China 6 regulation and PHEV Fuel System
Hao Lyu, YAPP Automotive Systems Co., Ltd., China

11:05 Coffee Break

■ **Tank Systems for Alternative Power Train Technologies**
Chair: Dr. Günther Požgainer

11:50 Vehicle types, variants and versions – influence on fuel systems
Albert Boecker, TI Automotive Technology Center GmbH, Germany

12:15 Plastic hybrid tanks – solutions and validation
Klaus Gebert, Kautex Textron GmbH & CO. KG, Germany

12:40 Lunch

■ **Tank Systems for Alternative Power Train Technologies**
Chair: Martin Stickel, TI Automotive

14:10 Latest pressurized fuel tank system and energy-saving FPM for new Camry Hybrid
Keiko Toyama, Toyota Motor Corporation, Japan

14:35 Storage models with composite lightweight design for bi-fuel cars
Dr. Uwe Thien, Harald Humenberger, G. Kepplinger, R. Weber, MAGNA STEYR FUEL Systems GmbH, Austria

15:00 Coffee Break

■ **Component Architecture and Functionalities**
Chair: Dr. Paul Wouters, Plastic Omnium

15:45 **Short presentations & discussion**
Tanktronic mechatronic components and solutions
Dave Hill, Plastic Omnium, Auto Inergy Division, USA
Fuel supply systems for future emission requirements
Marc Voelker, Andreas Sausner, Continental-Automotive GmbH, Germany
Eaton eVaptive – Electronically controlled evaporative emissions venting system
Vaughn Mills, Eaton Fuel Emissions Systems, USA
Stant Fuel Management Isolation Valve – An innovative unique solution for PHEV pressurized fuel system isolation
Michael S. Brock, Stant Corporation, USA

■ **Evening Speech**

17:00 The Tank Systems used in the BMW 5 Series past – present – outlook
Harald Unger, BMW AG, Germany

17:30 End of the first conference day and Evening Event

Agenda on November 3, 2017

Development Methodologies

Chair: Timo Wiedel, Daimler AG

08:30 Vehicle development – Potentials between simulation and prototype vehicles

Werner Finkbeiner, TI Automotive Technology Center GmbH, Germany

08:55 Structure-borne sound transmission caused by fluid excitation – evaluation during concept stage

Mathias Lichy, Dr. Jürgen Merk, Heinz Lixl, AUDI AG, Germany

09:20 Short presentations & discussion*

MESHFREE simulation of processes and product design about tanks and SCR-systems

Dr. Jörg Kuhnert, Fraunhofer Institute for Industrial Mathematics (ITWM), Germany

A comprehensive CAE approach to assess fuel slosh noise: From noise generation to filtering and propagation

Xiaofeng Chen, Dr. Caroline Born, Dr. Manfred Rechs, Ford-Werke GmbH, Germany

Modeling and optimization of jet pump in fuel delivery module with CAE analysis & real test data

Sadegh Jahantighi, M. Akbarshahi, M. Asemani, R. Nasiri, Avrand Pishro Co., Iran

Prediction of vehicle fuel sloshing noise using numerical analysis

Toshiharu Fukushima, Tohru Wako, Ryuji Fujino, Honda R&D Co., Ltd., Japan

10:30 Coffee Break

*Subsequently to the short presentations on simulation methods and software solutions there will be a possibility for an in-depth discussion with the speakers in an extra area.

SCR and Water Injection Systems

Chair: Martin Scholz, BMW Group

11:20 Status of AdBlue Refilling at petrol stations

Stefan Kunter, ELAFLEX HIBY Tanktechnik GmbH & Co. KG, Germany

11:40 Continental AdBlue® Dosing System for EU6d compliant SCR aftertreatment solutions

Robert Paul, Chiekh Diouf, Continental, Emitec France SAS, Pascal Barbier, Continental Automotive France SAS, Dr. Martin Brandt, Continental Automotive GmbH, Germany; Aurelian Kotlar, Continental Automotive Romania SRL, Keith Shaw, Continental Automotive Systems US Inc

12:05 How to enhance volume in a fluid tank and improve liquid delivery

Christoph Ganthaler, Röchling Automotive S.r.l., Italy

12:30 Lunch

13:45 Heating concepts for freezing liquids

Nicolai Schumacher, Markus Kolossa, Kautex Textron GmbH & CO. KG, Germany

14:05 Enhanced gasoline engine performance with water injection: No longer for high performance cars only

Joël Op de Beeck, Laurent Duez, Plastic Omnium, Belgium

14:30 Outlook and farwell

Walter Geier, TÜV SÜD Product Service GmbH, Germany

14:35 End of the Conference



Registration

www.tuev-sued.de/tank.tech

congress@tuev-sued.de

Registration and information

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