

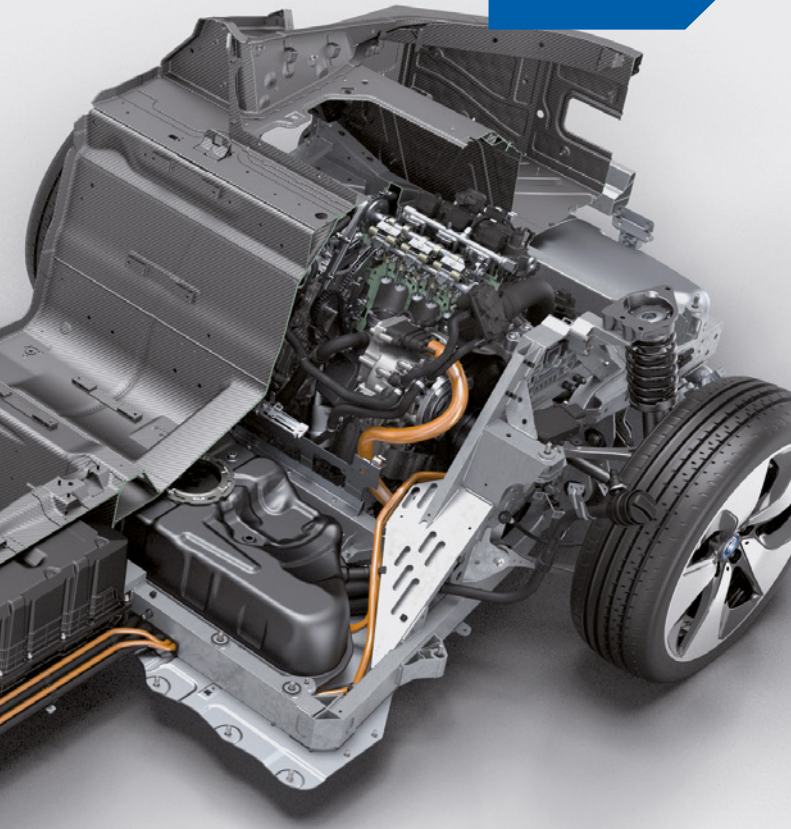


Add value.
Inspire trust.

tank.tech

December 3 – 4, 2019
Unterschleißheim, Germany

CONFERENCE
AND EXHIBITION



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 tank systems.

The conference 2019 is dedicated to review new power train trends and their requirements on fuel storing systems. Recent developments methodologies from simulation to testing, future manufacturing methods and new mechatronic component architecture and functionalities will be reported in detail.

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.

Program on December 3, 2019

09:30 Welcome
TÜV SÜD AG

■ Emission Regulation Trends

Chair: Walter Geier, TÜV SÜD Product Service GmbH

09:45 European evaporative emission regulation
Gerhard Müller, President International Motor Vehicle
Inspection Committee CITA

10:10 China NEV policy and an update on its effects
Jiajia Wang, IHS Markit , Greater China

■ Solutions for Tank System Technologies

Chair: Dr. Günther Požgainer, AVL List GmbH

10:35 Adaptive fuel tank: a pressureless tank system for PHEVs
Markus Huber, BMW Group;
Dr. Roman Bouffier, Kautex Textron GmbH & Co. KG (DE)

11:00 Coffee Break

11:45 Aluminum pressurized dual fuel tank system for
a high-performance PHEV passenger car
Marco Amici, Ferrari S.p.A.;
Carlo Bonfreschi, Duerre Tubi Style Group S.p.A. (IT)

12:10 Fuel system of new Toyota Yaris
Shinsuke Amano, Toyota Motor Corporation;
Yoshihiro Ota, FTS CO., LTD. (JP)

12:35 Pressurized plastic fuel tank technologies for hybrid
electric vehicles
Richard Cerini, TI Fluid Systems (DE)

13:00 Lunch

■ Development Methodologies (Part 1)

Chair: Martin Stickel, TI Fluid Systems

14:20 Development of high speed slosh noise simulation
technology by particle method
Kenji Kitamura, Yachiyo Industry Co., Ltd. (JP)

14:40 From nozzle to tank: virtual fuel system refueling
of the next generation
Hugues Massé, Claude Mesjasz, Plastic Omnium
Advanced Innovation & Research (BE)

15:05 Simulation of vehicle fuel systems – tank dynamics and
evaporative emission system
Dr. Robert Tauscher, Dr. Jochen Brückner-Kalb,
Thermotec Engineering Services;
Werner Lechner, Batuhan Tugral, BMW Group (DE)

15:30 Coffee Break

■ Development Methodologies (Part 2)

Chair: Dr. Paul Wouters, Plastic Omnium

16:10 A study of destruction mechanism for welding parts
Kotaro Tanaka, Akira Isayama, Honda R&D Co., Ltd. (JP)

16:35 Simulating multi-day diurnal test cycles for EVAP system
design and analysis
Jonathan Brown, Gamma Technologies LLC (USA);
Eduardo Graziano, POWERTECH Engineering S.r.l. (IT)

17:00 Evening Lecture

17:30 End of the first conference day

Evening Event

Program on December 4, 2019

Current and Future Manufacturing Methods for Fluid Storage Systems

Chair: Dr. Caroline Born, Ford-Werke GmbH (DE)

- 08:30 PA Fuel tank for new ALPINE A-110
Michel Semanaz, RENAULT s.a.s.;
Herve Runarvot, RM-Technologies (FR)
- 08:55 Volume efficiency through new materials
Klaus Gebert, Kautex Textron GmbH & Co. KG (DE)
- 09:20 Material efficiency of twin sheet tank molding
Andrej Hochstein, TI Fluid Systems (DE)
- 09:45 Weight reduction by MuCell technology
Christoph Ganthaler, Röchling Automotive S.r.l, (IT)
- 10:00 Coffee Break
- ## **Mechatronic Component Architecture and Functionalities**
- Chair: Timo Wiedel, Daimler AG
- 10:50 High efficient tank heaters based on PTC plastic material and potential sensing integration
Mauro Zorzetto, Marco Pizzi, Alberto Barbano, Luca Costa, Luca Vercellotti, Marco Bizzarro, Massimo Zanin, Vito Scannicchio, Eltek S.p.A. (IT)
- 11:05 Capless design for global fuel system applications
Paul C. Wetzel, Stant Corporation (USA)
- 11:25 Fuel pump efficiency optimization for wide power range
Jean-Francois Perinet, Delphi Technologies (LUX)

- 11:45 Mechatronic solutions in fuel tank applications
Kabir Bhandari, Padmini VNA
Mechatronics Pvt Ltd (IN)

- 12:00 Lunch

Future Automotive Trends and Expectations

Chair: Harald Humenberger,
Magna Steyr Fuel Systems

- 13:20 Hydrogen storage system development for FCEV – future challenges and trends
Franz Hofmann, Florian Eidmann, AUDI AG (DE)
- 13:45 Numerical modelling for design, simulation and production of Composite Pressure Vessels (CPV's)
Axel Seifert, Plastic Omnium New Energies;
Hicham Mir, Plastic Omnium Advanced Innovation & Research (BE)
- 14:10 Marelli water injection system: one solution to improve powertrain efficiency and performance
Antonio Zito, Magneti Marelli S.p.A. (IT)
- ## **Fluid Systems Infrastructure and Distribution**
- Chair: Walter Geier, TÜV SÜD Product Service GmbH
- 14:35 Hydrogen fueling infrastructure
Dr. Jörg Wind, Daimler AG (DE)
- 15:00 Outlook and Farewell
Walter Geier, TÜV SÜD Product Service GmbH (DE)

Committee

- Masaki Akagi, FTS CO. LTD. (JP)
- Dr. Caroline Born, Ford-Werke GmbH (DE)
- Dirk Eulitz, Kautex Textron GmbH & Co. KG (DE)
- Harald Humenberger, Magna Steyr Fuel Systems (AT)
- Dr. Günther Požgainer, AVL List GmbH (AT)
- Martin Scholz, BMW Group (DE)
- Martin Stickel, TI Fluid Systems (DE)
- Timo Wiedel, Daimler AG (DE)
- Dr. Paul Wouters, Plastic Omnium (FR)

Chairman

- Walter Geier, TÜV SÜD Product Service GmbH (DE)

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, snacks and beverages during breaks as well as the evening event.

INFINITY – HOTEL & CONFERENCE RESORT MUNICH

Andreas-Danzer-Weg 1, 85716 Unterschleißheim /
near Munich, Germany



Information on
[Registration](#) | [Getting to the Venue](#) | [Accommodation](#)

www.tuev-sued.de/tank.tech

Conference venue:

INFINITY – HOTEL & CONFERENCE RESORT MUNICH
Andreas-Danzer-Weg 1
85716 Unterschleißheim (near Munich)
Germany

Contact

TÜV SÜD Akademie GmbH
Tagungen und Kongresse
Ute Alius
Westendstraße 160
80339 München
Telefon +49 89 5791-1647
Telefax +49 89 5155-2468
E-Mail: congress@tuev-sued.de