

AGENDA

June 21, 2018

- from 12:00 Registration and welcome address
- 13:00 Welcome Speech Dr.-Ing. Gunnar Gräfe, Managing Director, 3D Mapping Solutions GmbH
- 13:30 **Keynote Dipl.-Ing. Christoph Gumbel**, Senior Futurist, future matters AG
Title: "Future mobility and resulting requirements for the virtual development process."

Session 1 „Kinematic Engineering Surveying“

- 14:00 **Dipl.-Ing. Marc Kückmann, Maximilian Bade, M.Sc., Patrick Schneider, M.Sc.**, Obermeyer Planen + Beraten Karlsruhe
Title: "Renewal of high-speed rail infrastructure using digital mapping and BIM"
- 14:30 Dipl. Geomatik-Ing. **Martin Rub**, Teamleader Monitoring, Stv. Abteilungsleiter Ingenieurvermessung, BSF Swissphoto AG
Title: „Mobile Mapping – Through the Gotthard & Lötschberg Base Tunnel with high precision!“
- 15:00 **Dipl.-Ing. Martin Lang**, Managing Director, 3D Mapping Solutions GmbH,
Title: "High-precision kinematic surveying - basics and examples"
- 15:30 Networking break in the exhibition area, coffee

Session 2 „High-end Reference Maps“

- 16:00 **Carlo van Driesten, M.Sc.**, FAD Virtualization & Testing, BMW AG
Title: "Enabling Virtual Product Validation: Standards for Collaborative Simulation of Autonomous Driving"
- 16:30 **Viktoria Peller, M.Eng., Daniel Becher, B.Sc., Dorian Lang, B.Eng., Simon Hitzler**
HD Maps, 3D Mapping Solutions GmbH
Title: "Creating High Accuracy Reference Maps"
- 17:00 **Dr.-Ing. Gunnar Gräfe**, Managing Director, 3D Mapping Solutions GmbH

Title: "Worldwide Road Data Marketplace"

17:15

Dipl.-Ing. Alexander F. Walsler, Managing Director, Automotive Simulation Center Stuttgart e.V.

Title: "ENVITED – The Collaboration Platform for the Virtual Test Drive of Autonomous Vehicles"

17:45

Matt Daley, Operations Director, rFpro

Title: The (Simulated) Road to the Highest Quality Testing and Validation for ADAS, Autonomous Driving and Vehicle Dynamics Engineering"

From 18:15

start of the culinary evening program

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June 22, 2018

8:30 Registration

Session 3 „High-end Road Surface Models“

9:00 **Dr. Jochen Rauh**, Manager, Autonomous Driving - Motion Control - Braking Systems, Daimler AG

Title: “Representing Road Surfaces with OpenCRG: some insight into its background and applications”

9:30 **Henning Klein, M.Sc.**, Geodetic Analytics, 3D Mapping Solutions GmbH

Title: “Internal quality and data assessment”

10:00 **Gerald Hofmann**, Partner, cosin scientific software

Title: “FTire - A trusted simulation environment for encrypted grid based road data”

10:15 **Dr.-Ing. Jakob Kathes**, Produktmanager, TESIS GmbH

Title: “Virtual testing by coupling high fidelity vehicle simulation with microscopic traffic flow simulation”

10:45 Networking break in the exhibition area, coffee

Session 4 „3D Simulation in various Applications“

11:15 **Alexander Blickle (present), Ph.D. Ingeborg M. Rocker (remote)**, VP Digital Transformation & Strategy, Cross-Industry Initiatives, Dassault Systèmes

Title: Digital Transformation: 3DEXPERIENCE Platform - Engineering and Mobility Reconsidered”

11:45 **Dr. Wolfram Remlinger**, Referent Process and Method Development, AUDI AG

Title: “Research Project SAVE: -The first step towards a digital twin of the public urban proving ground Ingolstadt-“

12:15 **Dr. Stefan Trometer**, Director Business Development, virtualcitySYSTEMS GmbH

Title: “CityGML & openDRIVE - Linking 3D City Models with Road Space Models Based on Open Standards”

12:45

Dr. Silja Hoffmann, Partner, MobilityPartners

Title: „3D Models and their potential for innovative mobility solutions“

13:15

Dipl.-Ing. Matthias Braun, Managing Director Central functions, Obermeyer Planen + Beraten GmbH

Approx. 13:25

end of conference