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More than 110 experts from 59 companies and institutes in 12 countries met in Darmstadt. With eight presentations, well known experts from the industry gave an overview of newest developments of test track design, construction, maintenance and of special requirements for facilities for testing autonomous driving. The experts, engineers, users and operators of Proving Grounds and test tracks shared their experience in animated discussions.

The day before the workshop, a visit of the new Daimler Proving Ground in Immendingen/Germany was offered. This Proving Ground has been specially designed for the testing of autonomous cars and systems. Reiner Imdahl, the PG manager, explained the special test tracks and functions. Part of the visit was a guided bus tour through the Proving Ground.

The day before the workshop was closed with a dinner in Darmstadt.



Presenters (from the left): Dr. S. Tuttas, Dr. M. Schollmaier, T. Alte-Teigeler, D. Budach, M. Lesemann, Prof. S. Bald, Dr. R. Hart, F.-J. Heßeler, F. Common, Dr. M. Limbach, Dr. C. Tilke, Dr. R. Rasmussen, M. Rubow, Dr. G. Faust

Bad Roads Well Built 2019

Sharing Experiences on Constructing Test Tracks for the Automotive Industry

Programme Committee: Dr.-Ing. Gerhard Faust Prof. Dr.-Ing. J. Stefan Bald Dr. rer. nat. Rainer Hart Dr.-Ing. Stefan Böhm

Agenda

| Time | Speaker | Topic |
|---------------------|---|---|
| 09:00 am - 09:15 am | Prof. DrIng. J. Stefan Bald DrIng. Gerhard Faust | Welcome and Opening |
| 09:15 am - 09:45 am | Dr. Matthias Schollmeier (Director Opel Testcenter Dudenhofen, retired) | Review and outlook: Automotive PGs through the Ages |
| 09:45 am – 10:15 am | Dr. Carsten Tilke (Tilke GmbH & Co. KG) Manuel Rubow, M.Eng. (Tilke GmbH & Co. KG) | Vision: New Requirements for PGs in the Future |
| 10:15 am - 10:30 am | | Break |
| 10:30 am - 11:00 am | Dr. Sebastian Tuttas (3D Mapping Solutions GmbH) | Modern Surveying: High Definition Survey of PGs and Test Tracks |
| 11:00 am - 11:30 am | Dr. Rainer Hart (HART Consult International GmbH) DiplGeol. Daniela Budach (IBQ GmbH) | Asphaltmixture: Type of Rock and Influence for the Surface Texture of Asphalt |
| 11:30 am - 12:00 am | Dr. Markus Limbach (SMB Construction International GmbH) | Asphaltplacing: Construction Limits using Asphalt for High Banked Tracks |
| 12:00 am - 13:15 pm | | Lunch Break |
| 13:15 pm - 13:45 pm | DiplIng. Tim Alte Teigeler (Otto Alte Teigeler GmbH) | Surface Design: Specific Surface Texture by "Grinding" and Usage of Prefabricated Concrete Elements |
| 13:45 pm - 14:15 pm | Dr. Robert Rasmussen (The Transtec Group, Inc.) | Surface Measurements: How to Collect, Process and Use Data for Test Track Engineering |
| 14:15 pm - 14:45 pm | | Break |
| 14:45 pm - 15:15 pm | DiplIng. M. Lesemann (ATC Aldenhoven) DiplIng. F. Common (IngenAix GmbH) | Urban Testenviroment: The Aldenhoven PG/ Germany |
| 03:00 pm - 03:30 pm | Prof. DrIng. J. Stefan Bald DrIng. Gerhard Faust | Final Discussion and Closure |

Visit of the Daimler Proving Ground





Workshop Impressions



















