

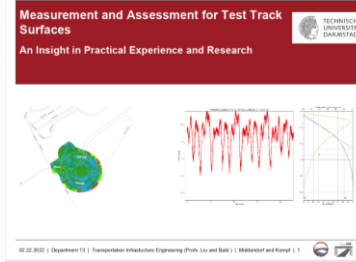


Johannes Hogrebe  
(Tilke GmbH & Co. KG)

Bernd Pfau  
(Porsche AG)

## Design

Track design supported by 3 D driving simulator



David Kempf  
(TU Darmstadt)

Moritz Middendorf  
(TU Darmstadt)

## Surfaces – Assessment

Measure- and Assessment for Test track surfaces



# Bad Roads Well Built

Schlechte Straßen gut gebaut

18 FEBRUARY

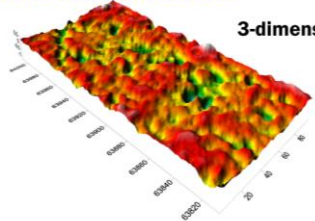
2022

## 10 Years

Workshops for Proving Ground Users and Operators,  
Engineering- and Construction Companies for Testtracks

### How is Texture Measured?

3-dimensional



Dr. Robert Rasmussen  
(The Transtec Group, Inc.)

## Surfaces - Design

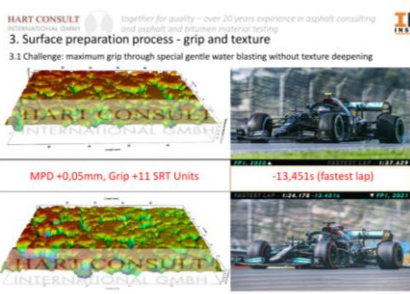
Design of surface texture for test tracks



Christoph Bertsch  
(Topcon Europe Positioning B.V.)

## Resurfacing - state of the art

High Speed meets uneven Surfaces



Mario Peiker  
(Hart Consult International GmbH)

## Surfaces - Realization

How to realize customer specific track surfaces



Zoltán Hamar  
(Automotive PG Zala Ltd.)

## New Proving Ground

The new ZalaZone PG in Hungary

Thanks to all lecturers who made the online event so successful.

Let's meet again

3<sup>th</sup> March 2023

The workshop “Bad Roads Well Built 2022” was organized for the tenth time by the Institute of Transportation Infrastructure Engineering at the Technische Universität (TU) Darmstadt/Germany.

Due to COVID-19 the BRWB-Team decided to organize this workshop as an online event and a virtual proving ground tour again.

The online event took place 17/18<sup>th</sup> February 2022.

Prof. Dr.-Ing. J. Stefan Bald, head of the Institute gave opening remarks for the workshop and he introduced his successor Prof. Dr.-Ing. Jia Liu.

The workshop was moderated by Dr. Gerhard Faust and Dr. Rainer Hart, details please see agenda on the right.

More than 120 experts from 57 companies and institutes based in 12 countries met virtually. Six presentations given by well known experts from industry and university provided an overview about newest developments of test track design, construction and maintenance. The experts, engineers, users and operators discussed their experience concerning proving grounds and test tracks.

A day prior to the workshop, a virtual visit to the Contidrom Proving Ground Uvalde in Texas/USA was organized by Dipl. Ing. Wolfgang Rötter and BA Brett Castagnari, both Continental. Agenda and pictures see on the right.



## Bad Roads Well Built 2022

Sharing Experiences on Constructing Test Tracks for the Automotive Industry

Organizer: Dr.-Ing. Gerhard Faust  
Dr. rer.nat. Rainer Hart

Virtual Workshop Friday, 18<sup>th</sup> February 2022



Time (CET)	Speaker	Topic
09:15 am – 09:30 am	Prof. Dr.-Ing. J. Stefan Bald Dr.-Ing. Gerhard Faust	Welcome, Opening and Introduction
09:30 am – 10:00 am	Dipl.-Ing Bernd Pfau (Porsche AG) Dipl.-Ing. Johannes Hogrebe (Tilke GmbH & Co. KG)	<b>Design</b> Track Design Supported by 3 D Driving Simulator
10:00 am – 10:30 am	Dr. Robert Rasmussen (The Transtec Group Inc.)	<b>Surfaces - Design</b> Design of Surface Texture for Test Tracks
<b>10:30 am – 11:15 am</b>	-----	Break
11:15 am – 11:45 am	Dipl.-Ing. Mario Peiker (Hart Consult International GmbH)	<b>Surfaces - Realization</b> How to Realize Customer Specific Track Surfaces
11:45 am – 12:15 am	David Kempf, M.Sc. (TU Darmstadt) Moritz Middendorf, M.Sc. (TU Darmstadt)	<b>Surfaces – Assessment</b> Measurement and Assessment for Test Track Surfaces
12:15 am – 01:30 pm	-----	Break
01:30 pm – 02:00 pm	Dipl.-Betriebswirt Christoph Bertsch (TOPcon Inc.)	<b>Resurfacing - State of the Art</b> High Speed Meets Uneven Surfaces
02:00 pm – 02:30 pm	Zoltán Hamar, M.Sc. (Director at Automotive PG Zala Ltd.)	<b>New Proving Ground</b> The new ZalaZone PG in Hungary
02:30 pm – 03:00 pm	Prof. Dr.-Ing. J. Stefan Bald Dr.-Ing. Gerhard Faust	Final Discussion and Closure
03:00 pm – .....	-----	<b>Break / End of the Workshop</b>



For more information please see: [www.brwb.org](http://www.brwb.org)

## Continental Proving Ground Uvalde / USA

Virtual PG-Visit Thursday, 17<sup>th</sup> February 2022

04:00 pm - 06:00 pm	Dipl. Ing. Wolfgang Rötter (Continental Reifen Deutschland GmbH)  BA Brett Castagnari (Continental PG Uvalde)	<b>Continental at a Glance</b>  <b>PG Uvalde / USA</b> Virtual visit of the Continental Proving Ground Uvalde in Texas
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