

Workshop Bad Roads Well Built 2024

Sharing Experiences on Constructing Test Tracks for the
Automotive Industry

March 1st 2024 Darmstadt Germany

Program

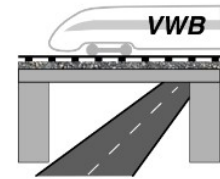
- **Main Workshop**
starts at 9:00 am March 1st 2024 at Georg-Christoph-Lichtenberg-Haus, Dieburger Straße 241, 64287 Darmstadt
- **Visit of the Hockenheimring and the Porsche Experience Center**
starts at 2:00 pm Feb. 29th 2024, in Hockenheim,
We offer a bus shuttle, starting at 12.30 pm at Darmstadtium, retour appr. 6:30 pm (see Detailed Agenda Hockenheimring Visit)
- **Dinner (self-paying)**
starts at 7:00 pm, Feb. 29th 2024 in the Restaurant Oberwaldhaus, Darmstadt



TECHNISCHE
UNIVERSITÄT
DARMSTADT

xchange
for innovation

Institute of Transportation
Infrastructure Engineering



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Date
2023-11-20

Registration fee for the face-to-face and/or video meeting

- Early-bird fee 275 Euro (till Dec. 31st 2023)
- Regular fee 325 Euro (from Jan. 1st 2024)

Additional offer for companies

For companies, we offer the possibility to present their products or their company in the lounge during the event. The cost for self-presentation of companies is 500 € per table.

(width of the table is approx. 1,20 m).

Please let us know when you register if you want to take advantage of this.

Please check out our new website

www.brwb.org

For questions, please contact Dr. Gerhard Faust <faustus@brwb.org>

Workshop BRWB 2024 March 01st

Moderators: Dr.-Ing. Gerhard Faust and Dr. rer.nat. Rainer Hart

Time (CET)	Topic	Speaker
9:00 am - 9:15 am	Welcome and Opening	Prof. Dr.-Ing. Jia Liu and Dr.-Ing. Gerhard Faust
9:15 am - 9:30 am	Welcome Address	Professor Dr. Thomas Walther Vice President Innovation and International Affairs (TU Darmstadt)
9:30 am - 10:00 am	Autonomous Driving – Background and Insights from the Development and Validation of Autonomous Driving Systems for the Construction of Proving Grounds	Dr.-Ing. Sebastian Siegl (Audi AG, Germany)
10:00 am - 10:30 am	Autonomous Driving – Development of test facilities for new mobility at IDIADA	Marc Pinilla, M.Eng. (IDIADA, Catalonia, Spain) Pau Kuipers, B.Eng. (IDIADA, Catalonia, Spain)
10:30 am - 11:00 pm	Autonomous Driving – Additional requirements for markings, pre-markings, pavement marking application, signs etc., for autonomous testing	Dr. Nils Katzorke (Mercedes, Germany) Dipl.-Ing. Reiner Imdahl (Mercedes, Germany)
11:00 am - 11:30 am	Coffee Break	
11:30 am - 12:00 am	New Technologies – Research at the TU Darmstadt – Asphaltpetrology – FWD (Falling Weight Deflectometer)	Dr.-Ing. Stefan Böhm (TU Darmstadt) Matthias Scheidig, M.Sc. (TU Darmstadt)
12:00 am - 12:30 pm	New Technologies – Marking removal and road cleaning with ultra-high-pressure water blasting technology	Dirk Schönauer (CSO Traffic lines, Germany)
12:30 pm - 02:00 pm	Lunch Break	
2:00 pm - 2:30 pm	Proving Grounds and Test Tracks – New proving grounds in China	Dr. Markus Limbach (SMB Germany) Dipl.-Ing. Thomas Aschenbrenner (SMB Germany) Dipl.-Ing. Fang Dexi (SMB China)
2:30 pm - 3:00 pm	Proving Grounds and Test Tracks – Low friction surface using polished concrete	Dipl.-Ing. Bernd Pfau (Porsche) Dipl.-Ing. Johannes Hogrebe (Tilke, Germany)
03:00 pm - 03:15 pm	Coffee Break	
3:15 pm - 3:45 pm	Proving Grounds and Test Tracks – Conversion of a former airfield to a proving ground, example Pferdsfeld/Germany	Marco Krohn (Testcenter Pferdsfeld, Germany)
3:45 pm - 4:00 pm	Final Discussion and Closure	Prof. Dr.-Ing. Jia Liu and Dr.-Ing. Gerhard Faust

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Workshop BRWB 2024

For registration please use the new registration tool:

https://www.verkehr.tu-darmstadt.de/vwb/startseite_sw_rd/workshops/brwb/registration/index.de.jsp

Additional Information

- If you have problems with the new registration tool, with the bank transfers or want to pay by credit card (only in exceptional cases), please get in touch with us via e-mail at brwb@vwb.tu-darmstadt.de
- You will have the possibility to attend the workshop march 1st 2024 via video conference (ZOOM meeting). If you use this possibility you can ask question via ZOOM chat. The questions will be collected by the BRWB team and forwarded to the presenters during the Q & A session.
- Link for participation via ZOOM will be distributed to the registered participants in the week before the meeting.
- Due to the bad parking situation around the Lichtenberghaus, please use the parking area at the Oberwaldhaus (see attachment) and use our special bus shuttle to the Lichtenberghaus.
- For dinner the day before we will meet again in the Restaurant Oberwaldhaus (same location as last year).
- We offer companies to post vacancies/applications for interns and new employees on a pin board in the conference area.
- The workshop is a public event, photos will be taken, but will be published only after consultation with the persons concerned
- Simultaneous translation will not be provided at the BRWB 2024 workshop.
- All these events will take place under the reservation of:
 - Possible changes due to the infection situation
 - New requirements of the German Infection Protection Act
 - New guidelines of the TU Darmstadt

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Detailed Agenda Hockenheimring Visit

- Meetingpoint: Lobby Porsche Experience Center

02:00 pm **Welcome**

Short presentations about the facilities:

- Porsche Experience Center (PEC)
- emodrom group
- Hockenheimring Grand-Prix-Racetrack (Formula 1-Track)

02:30 pm Participants to split in 3 groups:

- Porsche Experience Center (PEC) Building
 Guided tour of the building incl. roof terrace
- Porsche Experience Center (PEC) Tracks and Dynamikmoduls
 Guided Tour on the PEC handling track and dynamic modules by bus
- Hockenheimring Grand-Prix-Racetrack (Formula 1-Track)
 emodrom offers participants the opportunity to drive the Grand Prix course themselves with e-karts (weather permitting), otherwise guided tour by bus

05:00 pm Bus departure back to Darmstadt

➤ **Additional offers PEC:** (not included in workshop fee, self paying)

The Porsche Experience Center Hockenheimring (PEC) offers additional services for self-pay participants before the official visit program which will start at 02:00 pm.

The number of participants in these programs is limited, registration is on a first-come, first-served basis.

In order to give the workshop participants an advantage, we have jointly agreed with the PEC that registrations can only be made from 8th of December, i.e. approx. 10 days after you have received this invitation.

Please book these program points yourself at:

<https://www.porsche-experiencecenter-hockenheimring.de/>

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