



# Strategy

## Experience and visions

### Public transport

# Research

#### 5th VDV Congress on Future Autonomous Driving within Public Transport

Shared, electrical and autonomous – these three mobility revolutions have turned out to be really hard work, but that does not mean that we stop working. On the contrary, it urges us to work even harder to be successful. The plans of the vehicle manufacturer might have been delayed a little, but that was our chance to direct the framework conditions for the future mobility and the role of the municipalities and public transport into the right channels and to assure our position. Recent bulletins from the developers of sets for autonomous driving makes it clear: The time has come to include autonomous vehicles into the strategy and to consider them by the urban and rural development so that we do not get “stuck in a driverless traffic jam”.

At the 5th VDV Congress on Future Autonomous Driving within Public Transport we present the current adaptations of the legal framework as a basis for future measures to make politics, companies and municipalities fit for the future.

Of course, we also update you on ongoing projects and the development in Germany and abroad. Thus, you can learn about driverless taxis in Arizona, autonomous driving in Singapore with a test field covering half the city, and VW's plan to provide commercial fleets of highly automated vehicles by 2025. We have invited national and international experts to lecture on these topics. Does our sector have to involve itself in projects in which vehicles and components are developed for autonomous driving or can we concentrate on the strategic, operational and commercial aspects? Get an idea of the state of the art and the technical innovations. Discuss the strategy of international mobility providers, the latest findings from ongoing pilot projects and the current scientific research results with us.

All lectures are simultaneously interpreted into German/English.

# PROGRAMME

## 18.05.2021

**from 13:30**

Arrival of the participants and moderation

*Dr. Till Ackermann, Head of the Economics and Business Development Department, Association of German Transport Companies (VDV)*

**13:40**

Welcome by the Association of German Transport Companies (VDV)

*Martin Schmitz, Managing Director, Engineering Business Unit, Association of German Transport Companies (VDV)*

**from 13:45**

**SESSION I:  
Autonomous vehicles as an integral part of the strategy**

**13:45**

Automated vehicles as an integral part of BVG's strategy

*Eva Kreienkamp, CEO, Berliner Verkehrsbetriebe (BVG)*

**14:00**

RABus Project

*Martin in der Beek, Geschäftsführer, Rhein-Neckar-Verkehr GmbH*

**14:20**

Automated driving 2.0: on-demand autonom, 40 km/h, teleoperated  
*Stefan Kühn, chairman of the regional management, managing director, DB Regio Bus Bayern*

**14:35**

Questions and discussion

## 18.05.2021

**from 14:45**

**Framework conditions for autonomous driving within public transport**

*Moderator: Dr. Till Ackermann, Head of the Economics and Business Development Department, Association of German Transport Companies (VDV)*

**14:45**

The new planned legal framework for autonomous driving

*MDir. Dr. Tobias Miethaner, German Federal Ministry of Transport and Digital Infrastructure (BMVI)*

**14:55**

Analysis of the new legal framework by the VDV

*Emanuele Leonetti, scientific assistant / Ramona project, VDV*

**15:05**

Discussion

Realisation of the new legal framework

- *MDir. Dr. Tobias Miethaner, German Federal Ministry of Transport and Digital Infrastructure (BMVI)*
- *Richard Damm, President of the Federal Motor Transport Authority (KBA)*
- *Dr. Heiko Tempel, Deputy Head of the Department for Electric Mobility and Vehicle Innovations, Ministry of Transport in Baden-Württemberg*
- *Annette von Rolbeck, Head of Key Account Management & New Market Entry, ZF Mobility Solutions GmbH*
- *Susanne Schuchall, Company Development and Project Management, Transdev Verkehr GmbH*
- *Emanuele Leonetti, scientific assistant, Ramona project, Association of German Transport Companies (VDV)*

## 18.05.2021

**15:45**

Break

**from 16:00**

**SESSION II:  
Presentation of public transport projects with autonomous vehicles**

*Session moderator: Dr. Till Ackermann, Head of the Economics and Business Development Department, Association of German Transport Companies, VDV*

**16:00**

ABSOLUT project, Leipzig

*Mario Nowack, Project Manager, ABSOLUT project, Fundamental Transport Planning and Marketing, Leipziger Verkehrsbetriebe (LVB) GmbH*

**16:20**

The technology roadmap from Mobileye

*Johann Jungwirth, Vice President Mobility-as-a-Service, Mobileye*

**16:40**

Shuttles in line service

*Michael Hamann, COO, Bahnen der Stadt Monheim GmbH*

**17:00**

Questions and discussion

**17:10**

Autonomous driving around the world

*Dr. Mario Herger, technological trend researcher/author, Enterprise Garage / Global Melange*

**17:30**

End / after-work drink

# PROGRAMME

## 19.05.2021

**09:00**

Welcome at Day 2

*Dr. Till Ackermann, Head of the Economics and Business Development Department, Association of German Transport Companies (VDV)*

**from 09:05**

**SESSION III**

**International experience with autonomous vehicles within public transport and visions**

*Session moderator: Endre Angelvik, Vice President mobility services, Ruter As*

**9:05**

Autonomous public transport in Shenzhen and China

*Chris Liang, Operations Manager International Development Department, Shenzhen Bus Group Co.*

**9:25**

Key learnings of FABULOS, Sohjoa Baltic and related autonomous projects

*Jari Honkonen, FABULOS, Forum Virium Helsinki*

**9:45**

The SHOW project - Real-life demonstration of automated vehicle fleets for shared mobility

*Dr. Henriette Cornet, CCAM Senior Manager, UITP*

**10:05**

Questions and discussion

**10:20**

Break

## 19.05.2021

**from 10:30**

**SESSION IV**

**Roadmap for automation and autonomous vehicles within public transport**

*Session moderator: Dr. Till Ackermann, Head of the Economics and Business Development Department, Association of German Transport Companies (VDV)*

**10:35**

Roadmap for the overall system development of an autonomous driving shuttle

*Veit Lemke, Veit Lemke, Executive Project Manager for HEAT, IAV*

**10:55**

Volkswagen shuttles and MaaS Solutions

*Christian Senger, Fully Autonomous Driving and Mobility Development / Transport as a Service, Volkswagen Nutzfahrzeuge*

**11:15**

Questions and discussion

**11:40**

Lunch break

**12:30**

Break-Out Session

*Volocopter - Urban Air Mobility  
Ralf Frisch, Senior Business Development Manager, Volocopter GmbH*

## 19.05.2021

**from 13:00**

**SESSION V**

**Research concerning autonomous driving within public transport**

*Session moderator: Dr. Till Ackermann, Head of the Economics and Business Development Department, Association of German Transport Companies (VDV)*

**13:05**

UNICARagil - German universities re-think autonomous driving  
*Timo Wopen, Manager Research Area Vehicle Intelligence & Automated Driving, Institute for Automotive Engineering (ika), RWTH Aachen University*

**13:25**

MAAS Bahn

*Timm Ruppert and Patrick Pintscher, scientific assistants, Vehicle Engineering, Technical University (TU) of Darmstadt*

**13:45**

Questions and discussion

**14:05**

End of congress / end of event

**#VDVZukunftskongress**

## OUR MODERATORS



**Martin Schmitz**

Managing Director, Engineering Business Unit, Association of German Transport Companies (VDV)



**Dr. Till Ackermann**

Head of the Economics and Business Development Department, Association of German Transport Companies (VDV)

## OUR SPEAKERS

**Endre Angelvik**

Ruter As

**Dr. Henriette Cornet**

International Association of Public Transport (UITP)

**Richard Damm**

Federal Motor Transport Authority (KBA)

**Ralf Frisch**

Volocopter GmbH

**Michael Hamann**

Bahnen der Stadt Monheim GmbH

**Dr. Mario Herger**

Enterprise Garage / Global Melange

**Jari Honkonen**

Forum Virium Helsinki

**Martin in der Beek**

Rhein-Neckar-Verkehr GmbH

**Johann Jungwirth**

Mobileye

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German Federal Ministry of Transport and Digital Infrastructure (BMVI)

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**Patrick Pintscher**

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**Timm Ruppert**

Technical University (TU) of Darmstadt

**Susanne Schuchall**

Transdev Verkehr GmbH

**Christian Senger**

Volkswagen Nutzfahrzeuge

**Dr. Heiko Tempel**

Ministry of Transport in Baden-Württemberg

**Annette von Rolbeck**

ZF Mobility Solutions GmbH

**Timo Woopen**

RWTH Aachen University