2nd International VDI Conference -
Smart Cars & Urban Mobility

November 28 -29, 2018, Amsterdam, The Netherlands

• The Urban Mobility Ecosystem
• Connected Vehicles in Intelligent Infrastructure
• Disruptive Business Models & alternative Urban Mobility Concepts
• Legal Basics for smart connected Vehicles
• Mobility Challenges in Smart Cities of the Future

+ Panel Discussion: Serviceiation of the Auto-Industry
+ International VDI Workshop: 3rd Gen Blockchain Technologies
+ International VDI Workshop: Designing the City of Tomorrow

Meet international Experts from:

An event organized by VDI Wissensforum GmbH
www.vdi-international.com/ 01K0910018
Wednesday, November 28, 2018

I. The Urban Mobility Ecosystem

09:45 Future Transport Scenarios: Urban Mobility
- Future transport modes
- Vehicles, infrastructure and services for urban areas
- Integrating it all: Mobility as a Service

Steffen Schäfer, Urban Mobility Innovator, New Zealand

10:25 Exploring the Links between the Urban Mobility Ecosystem and new Transport Technologies
- Increasingly dispersed travel across space, time and functions
- Main Drivers: Changes in society, economy and increasingly digital lives
- Changes in the urban mobility ecosystem due to new transport technologies

Prof. Stephen Potter, Emeritus Professor of Transport Strategy, The Open University, United Kingdom

11:05 Networking & Coffee Break

11:35 Alternative Living and Consumption Spaces - The Future Role of Cars
- The smart mobility concept: Game changer for the automotive industry
- Spaces we love, visit and encounter
- The smart mobility concept: Game changer for the automotive industry

Dr. Barbara Flügge, Founder, Barbara Flügge Consulting, Switzerland

12:15 Integrated Mobility - Understanding the Business and the Ecosystem
- Challenges in the mobility ecosystem: Redefining seamless mobility?
- I, the car: Rethinking my role in a connected service economy
- Spaces we love, visit and encounter

Benjamin Schram, Head of Digitalization & Technology, Volkswagen AG, Germany

12:55 Lunch

II. Connected Vehicles in Intelligent Infrastructure

14:25 Connected and Automated Driving with Cellular-V2X
- Feasibility of key C-V2X use cases
- V2X roadmap towards 5G
- Standardization for cooperative ITS
- Business model considerations and experiences from early deployments

Tim Wouda, System Engineer, General Motors, Italy

14:45 Enabling new Mobility Experiences with Interior Cocoon Concepts
- Self-driving mobility allows new mobility experiences
- Maintaining the safety level while enabling a mobile living room 2.0
- Key role of passenger behaviour and interactions with the car and objects

Moritz von Grotthuss, CEO, gestigon – a Valeo Brand, Germany

15:05 Smart Infrastructure for Smart Mobility
- From conventional traffic management to a new mobility infrastructure
- Hybrid infrastructure solutions for drivers and connected cars
- Importance of safety/security for data and communication
- Front to traffic participants: The future of traffic signals and signs

Ernst Luchtmann, VP Research & Development, SWARCO FUTURIT Verkehrs signal- systeme Sargans, Austria

15:25 Distributed Ledger Technologies meet Future Mobility
- Autonomous payment via Blockchain technology
- Distributed ledger technology for secured mileage
- Community approach within a global provider of sustainable mobility

Benjamin Schram, Head of Digitalization & Technology, Volkswagen AG, Germany

15:45 Networking & Coffee Break

16:15 The Role of Roads in an autonomous Vehicle Environment
- Role of roads and miss-match between autonomous vehicles and ITS
- Why roads should provide data and leverage IoT based technologies
- How roads can generate data, seamlessly and economically

Michael Van Veld, Co-Founder & CEO, Valea, United Kingdom

16:35 Panel Discussion: Visions & Challenges of connected Vehicles: Disruptive Technologies, Infrastructure & Transformation
- Community approach within a global provider of sustainable mobility
- Distributed ledger technology for secured mileage
- Autonomous payment via Blockchain technology

Benjamin Schram, Head of Digitalization & Technology, Volkswagen AG, Germany

17:05 Enabling new Mobility Experiences with Interior Cocoon Concepts
- Self-driving mobility allows new mobility experiences
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- Key role of passenger behaviour and interactions with the car and objects

Moritz von Grotthuss, CEO, gestigon – a Valeo Brand, Germany

17:45 End of conference day one

Get Together
At the end of the first conference day we kindly invite you to use the relaxed and informal atmosphere for in-depth conversations with other participants and speakers.

Conference by VDI Wissensforum GmbH | www.vdi-international.com | Phone +49 211 6214-201 | Fax +49 211 6214-154

Smart Cars & Urban Mobility

Expected Participants according to Functions

Expected Participants according to Industries

About us
The Association of German Engineers (VDI) is one of the largest technical-scientific associations in Europe. Throughout the years, the VDI has successfully expanded its activities nationally and internationally to foster and impart knowledge about technology-related issues. As a financially independent, politically unaffiliated non-profit organization the VDI is recognized as the key representative of engineers both within the profession and in public.

Supporting Experts
Massimiliano Malis, Controls Business Process Manager, GM Global Propulsion Systems, Italy
Timur Pulathaneli, Supervisor, Ford Motors, USA
Steffen Schäfer, Urban Mobility Innovator, New Zealand

Reasons to attend
Meet experts from the connected car and urban mobility sector
Learn about digital urban mobility ecosystems and developments towards smart cities
Get informed about legal basics and the impact of GDPR
Discuss disruptive business models and new mobility concepts
Prepare for interactive panel debates
Network with your peers during the breaks and at the evening reception

Prepare for interactive panel debates
Discuss disruptive business models and new mobility concepts
Get informed about legal basics and the impact of GDPR
III. Disruptive Mobility Business Models

09:00 Mobility as a Service – The End of Car Ownership?
    • What would it be like if every car user could be paid in the minds of individual consumers?
    • Major disruption of transportation will change the structures of business
    • Consumers shift towards Maas’s operators that take care of their mobility needs
    • Today’s disruption can be compared to changes in telecom industry in the 80’s

09:20 Autonomous Driving Mobility Platforms: Knowing the Destination
    • Kari Halonen, CEO and Founder, MaaS Global, Finland
      - Today’s disruption can be compared to changes in telecom industry in the 80’s
      - Major disruption of transportation will change the structures of business
    • Jan Lüdtke

09:40 Insights from existing on-demand Ridepooling Services worldwide
    • Consumers shift towards Maas’s operators that take care of their mobility needs
    • Today’s disruption can be compared to changes in telecom industry in the 80’s
    • Major disruption of transportation will change the structures of business

10:00 New Mobility Services for City Centres
    • Electric automated shuttles and first last mile mobility
    • Policy drivers and outcomes
    • Maas and the sharing society
    • Future mobility for cities and regions and the role of the authorities

10:20 Networking & Coffee Break

10:50 Disrupting Long Distance Mobility by unlocking Sharing Potential
    • Short introduction of BlaBlaCar, a global leader in carpooling
    • E-chain is becoming more crowded
    • Never have connected vehicles given such opportunities for the industry

11:10 Panel Discussion: Serviceiation of the Auto-Industry
    • Chances, risks, and outlook of sharing mobility
    • New mobility concepts and smart mega cities being at the forefront of these developments. The VDI workshop “Designing the City of Tomorrow - Shaping a ‘Smart City Scenario’” is a truly interactive, hands-on event that will give participants the chance to explore and apply the construct of a smart city.

11:30 Networking & Coffee Break

12:10 Outlook into the future of DLT/Blockchain in Transportation
    • Main findings of the workshop day
    • Framing the Window of Opportunity (“The Art of the Possible”)
    • Role Model Play and Gamification exploring a Smart City
    • Briefing: The Smart City Model – a fictional Layout

IV. Legal Basics for smart connected Vehicles

13:10 GDPR and the connected Car Data Exchange
    • Legal challenges for vehicle data exchange
    • Case study: Telematics insurance
    • Access to vehicle data: Ownership and control
    • The General Data Protection Regulation: Protection vs. free flow

13:40 The Singapore Story - Our Perspectives on Urban Mobility
    • Electronic vehicle initiatives
    • Autonomous vehicle deployment in new towns
    • Intelligent transport system
    • Singapore’s vision for urban mobility

14:00 Tackling the Challenges of data-driven Smart Mobility Use Cases for the Brainport Region
    • Data driven policy decisions
    • Maas deployment in smart cities
    • Smart city data and IoT principles
    • Privacy and GDPR aspects
    • Transparency of algorithms
    • Niks Wiersma, Senior Business Consultant, Municipality of Eindhoven, The Netherlands

14:30 Access to vehicle data: Ownership and control
    • Case study: T elematics insurance
    • Legal challenges for vehicle data exchange

15:00 Networking & Coffee Break

15:30 Urban Air Mobility - Your new Departure Gate is your Garage!
    • The arrival of urban air mobility. Flying is around the corner
    • Air taxis & ride sharing vs. private ownership
    • Why did we choose the concept we chose?

16:00 Mobility Challenges for Smart Cities, don’t trip at the Kerb
    • Never have connected vehicles given such opportunities for the industry
    • The kerbstone and its digital twin is becoming more crowded
    • Opportunities to empower cities and give compliant control to consumers

16:30 Conference chair’s closing remarks

16:40 End of Conference
Renowned speakers will present their results on the following topics:

- Experiences from the UK, Finland, Sweden, Spain, Portugal, France, The Netherlands and Germany
- Using EVs as Battery Storage - The Benefits and Opportunities
- The Technical and Economic Challenges of increased Renewables from an Energy Suppliers Viewpoint
- Integration of EV-chargers into Households and distribution Grids
- China EV Charging Infrastructure and the EV Charging Operations and its Technology with V2G and its Role with Energy Network
- Experiences from the UK, Finland, Sweden, Spain, Portugal, France, The Netherlands and Germany
- The Future of intelligent Buses: Business Models, Connectivity & Digitalization
- Autonomous Buses as Part of the Urban Transport Strategy
- Electrifying the Transportation System
- Roll-Out and Management of E-Bus Fleets
- Policy Making for Urban Bus Networks
- The Future of intelligent Buses: Business Models, Connectivity & Digitalization
- Mobility as a Service

Date and venue:
November 28-29, 2018
Amsterdam, The Netherlands

www.vdi-international.com/01KO930018

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Become a speaker at our international VDI Automotive Conferences. Make yourself known in the industry and discuss best practice examples with other international experts. We are looking for speakers on AI Automotive, Automated Driving, Automotive Sensor Systems, Smart Cars & Urban Mobility. Please submit your topic to:

Leonie Bohnstedt
Product Manager
International Business
Phone: +49 211 6214 - 461
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If you want to meet with and reach out to the first-rate experts attending this VDI conference and to powerfully present your products and services to the well-informed community of conference participants, please contact:

Martina Slamenski
Project Consultant
Exhibitions & Sponsoring
Phone: +49 211 6214 - 395
Fax: +49 211 6324 - 97385
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International VDI Conference 2018
Future of Buses

Date and venue:
November 28-29, 2018
Amsterdam, The Netherlands

Renowned speakers will present their results on the following topics:

- Policy Making for Urban Bus Networks
- Roll-Out and Management of E-Bus Fleets
- Electrifying the Transportation System
- Autonomous Buses as Part of the Urban Transport Strategy
- The Future of intelligent Buses: Business Models, Connectivity & Digitalization
- Mobility as a Service

www.vdi-international.com/01KO932018

Conference venue
Radisson Blu Hotel Amsterdam Airport
Boeingavenue 2
1119 PB Schiphol
Email: reservations.amsterdam-airport@radissonblu.com
Phone: +31 20/655313-1

Hotel room reservation: A limited number of rooms has been reserved for the benefit of the conference participants at the Radisson Blu Hotel Amsterdam Airport. Please refer to "VDI Conference". For more hotels: www.vdi-wissensforum.de/hotels

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Registrations: Registrations for conference attendance must be made in writing. Confirmation of your registration and the associated invoice will be mailed to you. Please do not pay your conference attendance fee until you have received our invoice and its invoice number to be stated for transfer. Dutch VAT directives apply.

Conference venue
Radisson Blu Hotel Amsterdam Airport
Boeingavenue 2
1119 PB Schiphol
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VDI Wissensforum service package: The conference package includes the conference documents (online), beverages during breaks, lunch and the get-together on November 28, 2018.

Conference attendance conditions and terms: By way of your registration you accept the conference attendance conditions and terms of VDI Wissensforum GmbH as binding. Any cancellation of your registration must be made in writing. We will charge you only an administrative fee of € 50.00 plus Dutch VAT. If you cancel your registration earlier than 14 days ahead of the conference date, any cancellation that reaches us after this deadline will entail the conference attendance fee as stated in our invoice to be charged in full. The date of the post office stamp of your written cancellation will be the decisive criterion. In that case, we will gladly make you the conference documents on request. Subject to agreement, you may name a substitute participant. Individual parts and sections of conferences and seminars cannot be booked. You will be informed without delay if an event has to be cancelled for unforeseeable reasons. In that instance, you will be entitled only to a refund of your conference attendance fee if already paid. We reserve the right to exchange speakers and/or change the program sequence in exceptional cases. In any case, the liability of VDI Wissensforum GmbH is restricted exclusively to the conference attendance fee.

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Yes, I will participate as follows:

Participation Fee + VAT

☐ VDI Conference 28.-29.11.2018 (01KO910018) € 1,690

and/or

☐ Workshop 1 (01ST901001) € 950

and/or

☐ Workshop 2 (01ST933001) € 950

and/or

Package Price (Please tick the boxes)

☐ (Conference + 1 Workshop) € 2,370

I am interested in sponsoring and/or exhibition

☐ Participation Fee VDI-Members* Save 50 € for each Conference Day.

* For the price category 2, please state your VDI membership number

Participants with an invoice address outside of Austria, Germany and Switzerland are kindly requested to pay by credit card:

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