# POCKET AGENDA

## AUTOMOTIVE TECH.AD BERLIN ICEBREAKER SESSION
Round Tables providing a setting for an informal get-together and networking opportunities for speakers, business partners and participants. Business casual!

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>7:00pm</td>
<td>ICEBREAKER ROUND TABLES</td>
</tr>
<tr>
<td>8:30am</td>
<td>Opening Keynote: Artificial Intelligence &amp; Deep Learning for Realising Automated Driving</td>
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<tr>
<td>9:00am</td>
<td>Solution Keynote: AI-revolutionizing development of autonomous vehicles</td>
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<tr>
<td>10:00am</td>
<td>Case Study: Level 5 Autonomy at Volkswagen – Sedric (SElf-DRiving Car)</td>
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<tr>
<td>11:00am</td>
<td>Case Study: Turning complexity on its head – how to take the simplest route to automated driving</td>
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<tr>
<td>12:00pm</td>
<td>Case Study: Highly Automated Driving – new Approaches and Development Processes for Common and Realistic Traffic Situations</td>
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## CONFERENCE DAY 1
**MONDAY, MARCH 5, 2018**

### THE TECH.AD BUSINESS & TECHNOLOGY SESSIONS

<table>
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<tr>
<td>8:00am</td>
<td>Registration</td>
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<tr>
<td>8:15am</td>
<td>Welcoming and Introduction through Sarah Farley and the Conference Chair</td>
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<tr>
<td>9:00am</td>
<td>Solution Keynote: AI-revolutionizing development of autonomous vehicles</td>
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<tr>
<td>10:00am</td>
<td>Case Study: Will Software be the future differentiator of cars?</td>
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<tr>
<td>10:30am</td>
<td>MORNING REFRESHMENT &amp; NETWORKING BREAK</td>
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<tr>
<td>11:00am</td>
<td>Case Study: Turning complexity on its head – how to take the simplest route to automated driving</td>
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<tr>
<td>11:30am</td>
<td>Case Study: AUTOSAR Adaptive Platform for Connected and Autonomous Vehicles</td>
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<tr>
<td>12:00pm</td>
<td>Case Study: Highly Automated Driving – new Approaches and Development Processes for Common and Realistic Traffic Situations</td>
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<tr>
<td>12:30pm</td>
<td>LUNCH &amp; NETWORKING BREAK</td>
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<tr>
<td>1:30pm</td>
<td>Case Study: New SPAD sensor technology – from Architectures to Applications</td>
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<tr>
<td>2:00pm</td>
<td>Case Study: Vision Based Pedestrian Detection, Sensor Data, AI &amp; Predictive Road User Motion in Autonomous Vehicles L4+</td>
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<tr>
<td>2:30pm</td>
<td>Case Study: DA to AD systems L3+: An evolutionary approach incorporating disruptive technologie</td>
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### AUTO SCALE – THE TECH.AD START-UP LOUNGE

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<tr>
<td>12:30pm</td>
<td>AUTO SCALE – THE TECH.AD START-UP LOUNGE</td>
</tr>
<tr>
<td>1:30pm</td>
<td>Case Study: How to solve fail operational safe systems with AI?</td>
</tr>
<tr>
<td>2:00pm</td>
<td>Case Study: DeveParadigm shift towards functional testing for automated driving</td>
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<tr>
<td>2:30pm</td>
<td>Case Study: Highly Accurate Maps &amp; Sensor Data for Extended Vision in Highly Autonomous Vehicles</td>
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## CONFERENCE DAY 2
**SUNDAY, MARCH 4, 2018**

### ICEBREAKER ROUND TABLES

1. Round Table: The status of ADAS systems as of now and the road to make autonomous driving a reality
   - Speaking Opportunity
2. Round Table: Developments in AI could be the technology that heralds the fully autonomous vehicles need.
   - Speaking Opportunity
3. Round Table: Challenges with validation for sensor fusion systems
   - Speaking Opportunity
4. Round Table: Autonomous vehicle safety regulation – What are upcoming & future regulations and how does it affects technical frameworks?
   - Speaking Opportunity
5. Round Table: The Technology Progression to Fully Automated Commercial & Industrial Vehicles – What does that means for software development, testing & validation?
   - Speaking Opportunity
6. Round Table: How should an autonomous vehicle be justified as being fit for use on the public highway?
   - Speaking Opportunity
3:00pm Case Study: L4/L5 Sensing Research & Achieving All Terrain Highly Autonomous Vehicles Nigel Clarke, Head of L4/L5 Autonomy sensing research and all surface strategy, Jaguar Land Rover

3:30pm AFTERNOON REFRESHMENT & NETWORKING BREAK

4:00pm CHALLENGE YOUR PEERS SESSIONS

1. Round Table: Validation requirements for L4/L5 autonomous vehicles - how does that impact regulatory activities? Brendan Chan, Tech. Specialist – Vehicle Dynamics, Navistar

2. Round Table: Enabling Technologies for Automated Vehicles & ADAS David Sanchez, ADAS Senior Technical Specialist, Jaguar Land Rover

3. Round Table: Autonomous Parking with Elevation Measurements with Radar Dr. Florian Baumgärtner, Project Lead Multi-mode Radar for ADAS, Daimler AG

4. Round Table: Novel LiDAR sensing technology Andrea Barolidi, ADAS Sensors and Technologies Senior Specialist, C.R.F. (FCA Group)

5. Round Table: When will autonomous vehicles know if the pedestrian will cross the road? Prof. Dr. Dariu Gavrila, Head of the Intelligent Vehicles Group, TU Delft

6. Round Table: Role of AI in Building Functional Safety into ADAS & Autonomous Vehicles Mathias Schuhbe, Senior Director ADAS, Valisoaen

7. Round Table: On-The-Road Beta Testing for autonomous driving Ronny Hause, Engineer, Driver Assistance Electronic Systems, Ford-Werke GmbH

8. Round Table: Cooperation, a necessary mechanism for automated vehicles with social behaviors Mohsen Sedati, Group Leader Autonomous Systems, Chair of Production Engineering of E-Mobility Components (PEMfWZL, RWTH Aachen University

9. Round Table: Challenges & Directions for Applying Machine Learning in Autonomous Vehicle Speaking Opportunity

10. Round Table: Designing autonomous vehicles for human use – How to implement different ADAS system in new HMIs? Speaking Opportunity

11. Round Table: V2X Communications: Connected Maps and Services for ADAS & Autonomous Driving Reserved for a Business Partner

12. Round Table: Practical design considerations for solid-state Lidad Reserved for a Business Partner

4:45pm Case Study: Software design automation for the multicore era Reserved for TomTom

5:15pm Keynote: Seamless Mobility: The Role of Automated Driving in Future Mobility Concepts Ralph Laumann, Senior Vice President Systems & Technology, Advisor of the Management Board, Chassis & Safety Division, Continental AG

5:45pm Keynote: Novel LiDAR sensing technology: A new approach to detection and ranging Reserved for LeddarTech

6:15pm Closing Keynote: Sensor Data & Connectivity in the Development of ADAS & Autonomous Vehicles Stephan Blass, Senior Vice President, Head of Business Unit Driver Assistance – ADAS, AD, Siemens, Robert Bosch GmbH

6:45pm STEER FOR BEER Beer in the hand, a driving simulator

7:15pm NETWORKING DINNER & BESTOWAL OF AUTONOMOUS TECH.AD AWARD Wind down, enjoy great food and drink in a relaxed atmosphere to absorb all the new stimulations from the day.

CONFERENCE DAY 2 TUESDAY, MARCH 6, 2018

7:30am AUTONOMOUS TECH.AD BREAKFAST CLUB
Start your we.CONECT experience with a coffee and... NETWORKING!

7:40am MORNING SESSIONS
Meet in small groups at the breakfast table in the restaurant and get into a conversation with your peers and other participants over the first coffee.

1. Morning Workshop: Connected Maps and Services for ADAS and Autonomous Driving Speaking Opportunity

2. Morning Workshop: Software design automation for the multicore era Speaking Opportunity


8:20am Welcome and introduction by Sarah Farley and the Chair

8:30am Opening Keynote: Connected Maps and Services for ADAS and Autonomous Driving Reserved for TomTom

STREAM A - ARCHITECTURES

9:00am Case Study: Communication Patterns in Safety Critical Systems for ADAS & Autonomous Vehicles Thorsten Wittmer, Software Architect, ADAS System Team, Visteon

9:30am Case Study: Safe, Secure OTA software updates for the automated driving future Reserved for a Business Partner

10:00am Case Study: Delivering solution for Highly Automated Drive computing platform Speaking Opportunity

STREAM B - OPERATIONAL SAFE SYSTEMS FOR AUTOMATED DRIVING – FROM FUNCTIONAL SAFETY TO SYSTEM SAFETY

9:00am Case Study: Safety of the Intended Functionality (SOTIF) as a New Method for Validating Autonomous Vehicles Dr. Kari-Heinz Gloder, Chief Engineer for Automated Driving and Integral Cognitive Safety, ZF

9:30am Case Study: Establishing Operational Capability and definition of Tactical Decisions to remain in the Operational Capability and enable „fail operational“ HAD Hakan Sverdlov, Safety Program Manager – ADAS, Zenuity

10:00am Case Study: Automated Driving – Safe Design must complement Safety Testing & How to assure integral safety Reserved for a Business Partner
11:30am Introduction to World Cafés and short presentation of moderators

11:40am MORNING REFRESHMENT & NETWORKING BREAK

WORLD CAFÉ SESSION

11:10am WORLD CAFÉ SESSION | Round 1-3 OUT OF 5

1. Autonomous Business Model Disruption Café: Vehicle Autonomy – impact on business models (Suppliers/OEMs/Disruptors)
   Brendan Chan, Tech. Specialist – Vehicle Dynamics, Navistar

2. Platform Interfaces Café: Open Fusion Platform Project: Challenges & Requirements for Functional (OEM) & Sensor (Tier1) Interfaces
   Dr. Michael Schilling, Project Manager Advanced Engineering - Automated Driving, HELLA

   Reserved for Wind River

4. Safety Café: Designing level 4/5 autonomous vehicles for human use
   Dr. Eberhard Zeeb, Head of Driver Assistance & Automation Group, Research and Advanced Development, Senior Manager Function & Software Driver Assistance, Daimler AG

5. AI & Autonomous Café: Testing of autonomous vehicles – in which extent will the number of test cases increase with a higher level automation?
   Dr. Miklos Kiss, Head of Predevelopment, Driver Assistance Systems, Audi AG

6. Testing & Validation Café: Trucking Automation, Platooning & Deployment Scenarios
   Thomas Passegger, Manager Advanced Driver Assistance Systems (TP/VES ), Advanced Engineering, Daimler Trucks, Daimler AG

7. Deep Architectures Café: Use of deep architectures in autonomous driving problems
   Speaking Opportunity

8. Virtual Testing & Simulation Café: Virtual Testing & Simulation of automated vehicles – Challenges for virtual testing scenarios for Level 3 & 4
   Speaking Opportunity

   Speaking Opportunity

    Speaking Opportunity

    Reserved for a Business Partner

    Reserved for a Business Partner

12:40pm LUNCH & NETWORKING BREAK

1:40pm WORLD CAFÉ SESSION CONTINUED | Round 4-5 OUT OF 5

2:40pm AFTERNOON REFRESHMENT & NETWORKING BREAK

3:00pm World Café Harvesting Session
Join all 5 World Café Moderators who will join us on stage to summarize the key finding and take-aways from their discussion rounds.

SENSOR FUSION IN AUTOMATED DRIVING

3:10pm Case Study: Overcoming Safety & Security Challenges for Connected Automated Driving
   Reserved for Green Hills

3:40pm Case Study: Functionality and system architecture for sensor fusion
   Speaking Opportunity

4:10pm Case Study: Ibeo Highly Automated Driving – new Approaches and Development Processes for Common and Realistic Traffic Situations
   Reserved for Ibeo

4:40pm Case Study: Next generation pulse time-of-flight sensors for autonomous driving
   Speaking Opportunity

4:50pm Summary of the event by the Chair & End of Autonomous Tech.AD Berlin 2018

CONFERENCE DAY 2 WEDNESDAY, MARCH 6, 2018

10:00am – POST-EVENT DESIGN THINKING WORKSHOP (UP TO 25 PEOPLE)

2:00pm In this session you can get a feeling of how you can use Design Thinking to innovation on your productions facilities. In small groups we will help each other to see unmet needs and hidden possibilities for innovation. We will work with early prototyping, and hopefully by the end of this session have lots of ideas on how to improve your UX & HMI strategy through using the process of Design Thinking.

WHO | Leading Minds in Design Thinking Practice
WHERE | Automotive Tech.AD Berlin 2018
WHEN | 10:00am – 2:00pm
Leaving Berlin late? Use the afternoon after the event for the we.CONECT Post-Event Training Session!

2:00pm – TECH.AD AUTONOMOUS DRIVING DAY

6:00pm Test and play. Learn about the latest self-driving technologies and see self-driving cars in action on the road!

The Tech.AD Self Driving Day will include a tech briefing by a leading AV professionals and track demonstrations of autonomous vehicles using these technologies.

WHO | Leading AV Industry Experts
WHERE | Secret Location
WHEN | 2:00pm – 6:00pm
Leaving Berlin late? Use the afternoon after the event for the we.CONECT Post-Event Training Session!