

5G Automotive Association

Connected and Automated Driving Workshop

23 May 2019, Berlin – Germany



Programme

Connected and Automated Driving Workshop

Thursday, 23 May 2019 | 09:00 – 17:00

Workshop Agenda | 09:00 – 13:00

Maritim Hotel, Stauffenbergstraße 26, Berlin

09:00 – 09:30	Opening Remarks
09:30 – 11:00	Part 1: Global Update on Connected, Cooperative and Automated Mobility
11:30 – 13:00	Part 2: The Road Towards Connected Mobility: C-V2X as a Local Solution
13:00 – 14:00	Workshop Lunch

Showcase and Demonstration | 14:00 – 17:00

Zentraler Festplatz, Berlin

Workshop Programme

08:30	Registration & Welcome Coffee	
09:00 – 09:30	Germany's Outlook on Connected and Automated Driving & 5G Federal Ministry of Transport and Digital Infrastructure (BMVI) European Union's 5G Mobility Strategy: how can 5GAA contribute? Johannes Springer, Director-General, 5G Automotive Association	
Part 1: Global Update on Connected, Cooperative and Automated Mobility		
09:30 – 11:00	Update on V2X Communications Deployment in North America (15mn) Jovan Zagajac, Ford & Bryan Mulligan, Applied Information Update on C-V2X Deployment in China (15mn) Dr Dang Xiang, SAIC Motor Europe's Roadmap towards C-V2X deployment (15mn) Robert MacDougall, Vodafone ConVeX Project - Bridging the connectivity gap to 5G automated driving (15mn) Ralf Weber, Qualcomm Virtual RSU Architecture (15mn) Stefano Sorrentino, Ericsson & Todd Essery, Telstra Q&A Session (15mn)	
11:00 – 11:30	Coffee Break	
Part 2: The Road Towards Connected Mobility: C-V2X as a Local Solution		
11:30 – 11:45	Regional Strategies for V2X Connected Mobility and The Role of C-V2X (15mn) Torsten Geisler, Federal Highway Research Institute (BASt)	
11:45 – 12:15	Mobility Challenges in Berlin and Hamburg (15mn) Harry Evers, Hamburg ITS World Congress 2021 & Berlin Senate Representative Safer Urban Mobility through C-V2X connectivity (15mn) Andreas Andrae, Continental & Marco Silva, Vodafone	
12:15 – 13:00	Panel Discussion: 'Connected mobility and 5G deployment: synergies & benefits for Europe' with Audi, Deutsche Telekom, Federal Highway Research Institute (BASt) and City of Hamburg	



Workshop Programme

13:00–14:00

Closing Lunch



5GAA Berlin F2F C-V2X Ecosystem Showcase and Demonstration

C-V2X Demonstrations

- **Demonstration #1:** Day-1 Use-Cases using C-V2X direct short-range communication (BMW, Fraunhofer FOKUS with the support of Daimler, Qualcomm, SAVARI, SWARCO)
- **Demonstration #2:** Deploying Day 1 Services using existing V2N2V/V2N solutions (Ford, Vodafone Germany)
- **Demonstration #3:** New V2N2V capabilities via MEC (low latency services) (Continental, Deutsche Telekom, Fraunhofer ESK, Nokia)
- **Demonstration #4:** C-V2X unique capability to combine both direct short-range and long range communications (Jaguar Land Rover, Huawei, Vodafone Group)
- **Demonstration #5:** New services enabled by LTE-V2X illustrated by remote-operated driving (Fraunhofer FOKUS with the support of Daimler)

14:00–17:00

End of Workshop