

Connected and Automated Driving Workshop

A stylized illustration of a white car on a blue and white pixelated background. The car is surrounded by various circular icons connected by dashed lines, representing a networked or smart transportation system. The icons include a gas pump, a house, a train, a traffic light, a cell tower, a car, a bicycle, a smartphone, and another cell tower.

Programme

Connected and Automated Driving Workshop

Thursday, 23 May 2019 | 09:00 – 17:00

Workshop Agenda

5GAA Workshop Agenda | 09:00 – 13:00

Maritim Hotel, Stauffenbergstraße 26, Berlin

09:00 – 09:15	Opening Remarks
09:15 – 10:45	Part 1: Global Update on Connected, Cooperative and Automated Mobility
11:15 – 13:00	Part 2: The Road Towards Connected Mobility: C-V2X as a Local Solution
13:00 – 14:00	Workshop Lunch

Showcase and Demonstration

5GAA Showcase and Demonstration | 14:00 – 17:00

Zentraler Festplatz, Berlin

Workshop Programme

08:30	Registration & Welcome Coffee	
09:00–09:15	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		
09:15–10:45	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)	
10:45–11:15	Coffee Break	
Part 2: The Road Towards Connected Mobility: C-V2X as a Local Solution		
11:15–11:30	Regional Strategies for V2X Connected Mobility and The Role of C-V2X (15mn) Torsten Geisler, Federal Highway Research Institute (BASt)	
11:30–12:15	Mobility Challenges in Berlin and Hamburg (30mn) Harry Evers, Hamburg ITS World Congress 2021 Dr Frank Schramm, Berlin Government, Senate Department of Economics	
	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 Daimler, Vodafone, Berlin Government, Federal Highway Research Institute (BASt) and City of Hamburg (Hamburg ITS 2021)	
13:10–14:00	Closing Lunch	



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Workshop Programme

5GAA Berlin F2F C-V2X Ecosystem Showcase and Demonstration

C-V2X Demonstrations

14:00–17:00

- **Demonstration #1:** Basic Safety Use-Cases using C-V2X direct short-range communication
BMW, Fraunhofer FOKUS with the support of Daimler and Huawei, Qualcomm, SAVARI and SWARCO
- **Demonstration #2:** Deploying Basic Safety Services using existing Vehicle-to-Network and Network-to-Vehicle 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 and Huawei

End of Workshop