

VW ITN workshop on “Testing environment and demos.”

Venue:

Volkswagen AG

38436 Wolfsburg

Agenda Day 1 (5th September 2023) - Location: Kleiner Hörsaal S111

- 10:00 Admission / Visitor badge collection (Gate 17 / Gate Fe Haupteingang)
- 11:00 Aspects of Antenna-Channel Interactions (Prof. Andrés Alayón Glazunov, Linköping University)
- 12:00 Over-the-Air antenna (OTA) measurement using Reverberation chamber (Prof. Andrés Alayón Glazunov, Linköping University)
- 13:00 Lunch break
- 14:00 Multipath simulator OTA measurement (Prof. Andrés Alayón Glazunov, Linköping University)
- 15:00 Random Line of Sight OTA measurement (Prof. Andrés Alayón Glazunov, Linköping University)
- 16:00 Hybrid Chamber OTA measurement (Prof. Andrés Alayón Glazunov, Linköping University)

Agenda Day 2 (6th September 2023) - Location: Kleiner Hörsaal S111

- 10:00 Presentation from Bluetest AB on antenna measurement using Reverberation Chamber (Mr. John Kvarnstrand)
- 13:00 Lunch break
- 14:00 Presentation from RanLOS AB on automotive antenna measurement (Dr. Madeleine Schilliger-Kildal)

Agenda Day 3 (7th September 2023) – Location: Kleiner Hörsaal S111 + H70C Lab and 3D Chamber

- 09:00 Practical antennas used in V2X and mm wave communication for automotive applications. (Christiane Rother and Johannes Rosiak, Molex CVS Hildesheim GmbH)
- 10:00 Simulation of vehicular antennas. (Torben Voigt, FEKO, Online)
- 11:00 Introduction to the VW RF development center (Dr. Bert Janssen, Volkswagen AG)
- 11:30 OTA vehicle measurements at VW (Dr. Lukas Berkelmann, Volkswagen AG)
- 12:15 Introduction to 5G Testing – 5G Core (Dr. Carsten Monka-Ewe, Volkswagen AG)
- 13:00 Lunch break
- 13:45 Introduction to 5G Testing – 5G NR (Dr. Carsten Monka-Ewe, Volkswagen AG)
- 14:30 Walk to H70C
- 15:00 Lab Demo - 5G Testing (Dr. Carsten Monka-Ewe, Volkswagen AG)
- 16:00 Demo – OTA vehicle measurements (Dr. Lukas Berkelmann, Volkswagen AG)

Agenda Day 4 (8th September 2023) – Location: H70C meeting room + 2D Chamber

- 09:00 MIMO measurements (Renato Zea Vintimilla, Fraunhofer IIS, Online)
- 10:00 Demo on EMC measurement (Christopher Deichler, Volkswagen AG)
- 11:00 EMC Measurements (Dr. Johann Heyen, Volkswagen AG)
- 12:00 End