



2021 JOINT IEEE INTERNATIONAL SYMPOSIUM ON ELECTROMAGNETIC COMPATIBILITY, SIGNAL & POWER INTEGRITY AND EMC EUROPE

Rohde & Schwarz participates as a sponsor at the annual symposium of the IEEE EMC Compatibility Society, SIPI and EMC Europe, which takes place from July 27th to August 13th. As in the previous year, the symposium will take place virtually and offers a broad program with lectures, workshops and tutorials on various EMC topics.

Rohde & Schwarz are participating in the IEEE EMC+SIPI Symposium with two workshops:

**Workshop 1** (WT-TUE-3)

Session Time: August 3, 2021 from 11:00 AM to 3:30 PM EDT (ROOM 3)

**The impact of impulse noise on the radio spectrum above 1 GHz**

Many devices such as computers, multimedia equipment and microwave ovens generate impulsive disturbances in the gigahertz range, even though they are not radios. They must comply with internationally standardized emission limits to ensure an agreed level of radio protection.

Workshop chairs:

- **Jens Medler**, *Rohde & Schwarz GmbH & Co. KG, Muenchen, Germany*
- **Toshio Chiyojima**, *CISPR SC-1, Yokohama, Japan*

Workshop presentations:

1. **Applicability of the APD measurement function in current and future CISPR EMI Standards**  
*Jens MEDLER, Expert Member CISPR A, D & I, Rohde & Schwarz GmbH & Co. KG, Munich, Germany*
2. **Method for defining APD-based emission limit for electromagnetic pulsed disturbance with low probability of occurrence**  
*Toshio CHIYOJIMA, Expert Member CISPR I, Yokohama, Japan*
3. **APD measurement function - A faster route to disturbance-free microwave bands**  
*Tobias GROSS, Product Manager EMI Test Receivers, Rohde & Schwarz GmbH & Co. KG, Munich, Germany*
4. **A study on the measurement uncertainty of amplitude probability distribution in EMI tests**  
*Y. Yamanaka, Y. Matsumoto, S. Shiota, K. Gotoh, National Institute of Information and Communications Technology, Tokyo, Japan*



## **WORKSHOP 2** (WT-THU-1)

Session Time: August 5, 2021 from 11:00 AM to 5:30 PM EDT (ROOM1)

### **Advances in Automotive EMC and Connected Car Measurements**

The automotive industry has for some time been going through a period of intense technological change driven by various regulatory, environmental and safety pressures. This workshop has been designed to provide an informative overview of some of the most current and key development areas and the measurement topics associated with them from key industry experts.

Workshop chairs:

- **Martin A.K. Wiles**, BSc, MSc, MBA, Director Strategy at Albatross Projects GmbH, Germany
- **Achim Gerstner**, Rohde & Schwarz USA, Inc., Dallas TX, USA

Workshop presentations:

1. **EV Motor Testing to CISPR25**  
*Martin Wiles, BSc, MSc, MBA, Director Strategy at Albatross Projects GmbH, Germany*
2. **Creating a high voltage safety program for testing electric vehicles and their modules**  
*Matt Jackson, Senior EMC Test Engineer at Denso International America, Inc., Southfield MI, USA*
3. **EMI compliance and analysis measurements with an FFT-based measurement receiver**  
*Tobias Gross, Product Manager EMI Test Receivers at Rohde & Schwarz, Munich, Germany*
4. **Full vehicle electromagnetic susceptibility testing of automotive radar**  
*Holger Gryska, Automotive Market Segment Manager at Rohde & Schwarz, Munich, Germany*
5. **Safety of ADAS in vehicles under EME influence**  
*Albert Lee, Project Manager at Rohde & Schwarz ASIA Pte Ltd, Singapore*