

# DEMYSTIFYING EMC 2024

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**ROHDE & SCHWARZ**  
Make ideas real



**DEMC**  
GLOBAL TOUR

## Title

## Description

## Presenter

### **From test requirements to test solutions**

Opening Keynote

Join us for an insightful interview with Rohde & Schwarz's technology leaders as we set the stage for Demystifying EMC 2024

Christina Gessner  
Executive Vice President, Rohde & Schwarz

Michael Fischlein  
Vice President Spectrum & Network Analyzers, EMC and Antenna Test Equipment, Rohde & Schwarz

### **Best practices for EMC Compliance testing anywhere, anytime**

Increased focus on time-to-market, design complexity and EMC compliance often requires optimized "inhouse" knowhow and a structured EMC testing approach. This presentation explains important considerations before exploring and/or enhancing EMC test capabilities in your lab.

Martin Randrup  
EMC Specialist, Rohde & Schwarz

### **Calibration in EMC. Different faces of one(?) topic**

The term "calibration" is widely used in EMC – but with different meanings, depending on context. This presentation includes a summary of normative requirements and what should be looked at when ordering calibration services. On the other side – what kind of measurements can (and should) be done in an EMC lab to make sure the signal chain works as intended and how to reveal and localize problems.

Harald Jaeger  
Technical Trainer, Rohde & Schwarz

### **Test plans for Small Satellites: Meeting demands of New Space**

Join us for an insightful presentation on what it takes to successfully put Small Satellites into orbit. New space missions demand extreme test conditions and the first step to successful qualification is to understand the relevant standards and develop a meaningful

Ismael de la Viuda  
ALTER TECHNOLOGY (TuV NORD)

Title	Description	Presenter
	test plan to meet the requirements of a specific Launch Vehicle.	
<b>Introduction to Full Vehicle testing in a Reverb chamber</b>	Automotive EMC testing is evolving and moving towards the Reverberation Chamber (RC) method. This presentation will outline the latest updates of the new ISO 11451-5 standard and highlight the basic steps required to enable full vehicle testing in a reverberation chamber. The newly introduced closed-loop power control technique (fast-stirring) is of special interest and will be analyzed.	Dimitrios Barakos R&D Engineer, Comtest Engineering
<b>How to qualify devices without accessible antenna ports according to RED and FCC</b>	Many IoT and connected devices rely on wireless technology, such as Wi-Fi. Their compact design often excludes an accessible antenna port, creating an additional test challenge when it comes to demonstrating compliance with RED or FCC regulations. The requirements for extending conducted test methods to radiated test methods is discussed and different test methods presented.	Juergen Kausche Alexander Scholl Feng Xie Product Manager, Rohde & Schwarz
<b>EMC standards update - CISPR, ISO</b>	Whatever you are developing, your device must meet requirements set by standard organizations such as IEC, CISPR, ISO, IEEE, CENELEC, ETSI, FCC, ANSI, RTCA or MIL-STD. This session will cover latest updates in CISPR product standards for above 1Ghz testing.	Jens Medler Reiner Goetz Product Manager, Rohde & Schwarz
<b>Unveil the magic of conducted emissions testing</b>	Join us for a practical demo of how state of the art EMI receivers can be useful for measuring and debugging conducted emissions problems in electronic circuits.	Arturo Mediano Associate Professor, University of Zaragoza
<b>EMC Immunity testing using multiple signal formats for the real world</b>	EMS tests are being performed with different types of RF signals ranging from narrow band to broadband with different modulation characteristics or even band limited noise. This presentation covers the most common	Wolfram Titze Product Manager, Rohde & Schwarz

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	types of signals and what the implications are for the selection of the amplifier.	
<b>Updates to EMC standards for Medical and In Vitro Diagnostic Equipment</b>	This presentation will detail the latest updates of the EMC requirements for Medical Electrical and IVD (In Vitro) devices. A review of the major changes to IEC 60601-1-2 and IEC 61326-2-6 will be discussed.	Robert DeLisi Principal Engineer, UL Solutions
<b>What's new with EMC test for vehicles</b>	Vehicle and component manufacturers invest time and effort in ensuring that EMC tests are as representative and comprehensive as practical and with the introduction of more advanced and automate systems, this is becoming increasingly difficult. This presentation will look at some of the changes in standard tests as well as some of the other tests available to address these issues.	Garth D'Abreu Director of Automotive Solutions, ETS-Lindgren
<b>EMC Test: Outlook for the next decade &amp; beyond</b> Closing Keynote	Join us to listen to what our panel of distinguished EMC experts from different industries have to say to our questions on EMC test	Various presenters