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DEMC GLOBAL TOUR

Presentation title	Description	Presenter
Navigating EMC testing in the age of AI and 6G Opening Keynote	New technologies such as artificial intelligence (AI), non-terrestrial networks (NTN), and 6G wireless communication are influencing the design and implementation of modern electronics. Electronics testing, including Electromagnetic Compatibility (EMC) testing, remains fundamental to product development, offering essential insights into functionality, durability, and adherence to regulatory standards. Join us for Rohde & Schwarz's DEMC 2026 Opening Keynote as we explore next generation testing needs.	**Bjoern Coenen** Senior Director Engineering EMC and Antenna Test Solution, Rohde & Schwarz
Emission test speed optimization using modern EMI receivers	A complete commercial EMI test comprises many measurements (height, rotation, polarization, DUT modes). With modern receivers the bottleneck shifts to mechanical accessories like antenna masts and turntables. This talk evaluates optimized EMI setups, showing gains in test speed, reliability and emission-identification, reducing costs and shortening development cycles.	**Tobias Gross** Product Manager for EMI Test Receivers
EMC Standards Update Series - CISPR, IEC	Conducted RF immunity testing verifies immunity to RF-induced conducted disturbances. This talk covers test methods, coupling devices, setup, parameters, execution and IEC standard updates from the latest edition. This talk also reviews CISPR standards addressing >1 GHz emissions, summarizing Draft CISPR 32 Edition 3 proposals and new measurement techniques like the APD weighting function and reverberation.	**Dr. Ralf Heinrich** Product Manager High Power, Rohde & Schwarz **Jens Medler** Product Manager Standardization and Application Support EMI Test Equipment, Rohde & Schwarz
Demystifying & myth-busting transient immunity testing per IEC 61000-4	Transient testing ensures commercial and industrial electronics survive real-world disturbances (ESD, EFT/burst, surge). Misconceptions about generator quality, waveform accuracy and setups cause	**Imad Qaddi** International Sales Manager Product Manager Transients, EMC Partner AG

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	inconsistent results. The presentation myth-busts IEC 61000-4-x, highlight accurate transient generators, verification and reproducible tests, with theory, waveform examples and a live EFT pulse verification session.	
Workshop – Would you like some EMI with your coffee?	Lee leads an interactive session troubleshooting radiated emissions from a digital-display coffee machine. He explains problem analysis and remedies, demonstrates EMI measurements on common devices using a test receiver, and focuses on EMC troubleshooting. The audience is invited to help locate and fix the noise source and improve the coffee!	**Lee Hill** Managing Director, Silent Solutions GmbH
Fast and Reproducible Radiated Emission Measurements using the VIRC	Measuring radiated emissions from large systems is challenging because low-noise receivers and high-gain, narrow-beam antennas are required. A reverberation chamber amplifies emitted fields through multiple reflections (chamber gain), and VIRC setups enable on-site measurements. This presentation will show how this is done in practice.	**Dr Frank Leferink** Director EMC Thales, and Professor EMC University of Twente
Extending radiated EMI/EMS testing to 44 GHz	This session discusses a system level design using an innovative high gain low beamwidth Horn antenna for testing electronic devices for electromagnetic interference (EMI) using higher frequencies up to 44 GHz. Both simulation and real-world measurement results for field strength, amplifier power and test distance calculations will be presented.	**Dr Adam Tankielun** R&D Hardware and Solutions - Antenna Test, Rohde & Schwarz s, Rohde & Schwarz **Juergen Kausche** Product Manager EMC Test Systems and Projects, Rohde & Schwarz
EMC compliance testing for Unmanned Ariel Systems (UAS)	UAS drones and support equipment require EMC compliance to ensure safe, reliable operations in complex RF environments. This presentation reviews EMI/EMS risks, testing	**Jonathan Teoh** Senior Engineer, Rohde & Schwarz

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	considerations for crowded airspace and urban settings, regulatory import standards and certification, and strategies to enhance system resilience, marketability and operational scope through robust EMC practices globally.	
Challenging measurements on a GaN-FET Power Optimizer	This session takes a closer look at product validation of a high-efficiency photovoltaic Power Optimizer by focusing on the GaN-FET buck converter at its core. Proving the absence of overshoot, ringing, EMI risk or premature failure are difficult given the extremely high slew rates. The talk demonstrates why an isolated probe (RT-ZISO) is required for accurate, safe measurements.	**Marc Ihle** Owner, Ihle Engineering
The advantages of Reverb chamber testing for automotive EMC	Automotive mega-trends of autonomy, connectivity, and electrification increase EMC testing complexity and requirements. Reverberation chambers provide repeatable, energy-efficient, realistic stress testing for modules and full vehicles. This webinar explains chamber operation, benefits, and how they meet automotive EMC needs.	**Vignesh Rajamani** Application Segment Manager EMC test, Rohde & Schwarz **Bastian Balk** Market Segment Manager Automotive, Rohde & Schwarz

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Presenter details	Presenter bios	
Arthi Krishnamurthy EMC Segment Manager, Rohde & Schwarz	Arthi Krishnamurthy is Market Segment Manager for ICR (Industrial, Components & Research) at Rohde & Schwarz in Munich. Since joining in 2021, she has become a leading voice for EMC, driving segment planning and strategic direction for the company's core EMC test solutions and services across debugging to full compliance.	
Bjoern Coenen Senior Director Engineering EMC and Antenna Test Solution, Rohde & Schwarz	Bjoern Coenen is an experienced engineering professional with over 18 years at Rohde & Schwarz, currently serving as Senior Director of Engineering for EMC and Antenna Test Solutions. Previously held roles include Senior Director of Measurement Applications and International R&D, and Director of Engineering for RF Analyzer and EMC Test. He is committed to delivering high-quality engineering solutions that meet technical requirements and improve customer experience.	
Tobias Gross Product Manager for EMI Test Receivers, Rohde & Schwarz	Tobias Groß joined Rohde & Schwarz in 2018 as a product manager for EMI Test Receivers with a focus on compliance testing. Before, he gathered experiences in wireless and wired communication and their optimization as well as test and measurement of various communication related technologies. He studied in Berlin, Germany and Waterloo, Canada and gained experiences both in industry and research institutes.	
Dr. Ralf Heinrich Product Manager High Power, Rohde & Schwarz	Dr. Ralf Heinrich is product manager for RF power amplifiers at Rohde & Schwarz. He graduated from the Technical University of Berlin in RF engineering. After his PhD and research and development projects in USA, Australia and Sweden he joined Ametek (formerly Teseq). In his position as Head of RF development he was responsible for the strategic product development of the RF product line with special focus on EMC test and measurement devices and systems.	

	Dr. Heinrich is an active member of several international IEC and national DKE working groups in the field of radiated and conducted immunity for more than 20 years. In recognition of his technical contributions with respect to basic EMC immunity standards on radio-frequency fields he was awarded the IEC 1906 award.	
Jens Medler Product Manager Standardization and Application Support EMI Test Equipment, Rohde & Schwarz	Jens Medler joined Rohde & Schwarz, Munich, Germany, a company specializing in test equipment and radio equipment in 1996. He is responsible for the standardization and application support for the companies EMC test equipment and is active member of various CISPR Subcommittees since 1999. He also holds a Senior membership in the IEEE EMC Society and is acting vice chair of the societies Standards Development and Education Committee. He is recipient of the IEC 1906 Award and the IEEE EMCS Technical Achievement Award 2024.	
Imad Qaddi International Sales Manager and Product Manager, EMC Partner AG	IMAD QADDI, currently working as International Males Manager and Product Manager responsible for the transient test systems at EMC PARTNER AG in Laufen Switzerland, holds a diploma in Electro technology and communication engineering from the university of Wuppertal DE, as well as a Master degree in Innovation and Product Management from university of Dornbirn AT. He has more than 18 years of experience in the field of Electromagnetic Compatibility as EMC Laboratory Manager working for well-known companies in Germany and Switzerland. His experience also includes presentation of technical seminar material, acting as speaker on several EMC conferences around the world.	
Lee Hill Managing Director, Silent Solutions GmbH	Lee Hill has over 35 years of experience in hardware troubleshooting and design reviews to solve & prevent elusive regulatory and functional electrical noise problems. He is Managing Director of Silent Solutions GmbH and currently lives in Munich. Lee is also Founding Partner of SILENT Solutions LLC - an electromagnetic compatibility (EMC) & RF design, troubleshooting, and training firm established in 1992. Lee is a member of adjunct faculty at Worcester Polytechnic Institute (WPI), and an EMC instructor at University of Oxford (England), and a past chair of the IEEE EMC Society's annual EMC Fundamentals program and Clayton R. Paul Global University. He earned his MSEE in electromagnetics from the Missouri University of Science and Technology EMC Laboratory, where he studied under Dr.'s Tom Van Doren, Todd Hubing, and James Drewniak. Lee speaks English, German, American Sign Language and high school Spanish.	
Dr Frank Leferink Director EMC Thales, and Professor EMC University of Twente	Dr Frank Leferink has been with THALES in Hengelo, The Netherlands, since 1984, and is currently the Director EMC. He is also the Manager of the Network of Excellence on EMC of the THALES Group. In 2003, he was appointed as (part-time, full research) Professor, Chair for EMC at the University of Twente. He has coauthored more than 400 peer-reviewed conference papers, more than 60 peer-reviewed journal papers, and holds 7 patents. Dr. Leferink is the Past-President of the Dutch EMC-ESD association, the Past-Chair of the IEEE EMC Benelux Chapter, a Member of ISC EMC Europe, Honorary Chairman of EMC Europe 2026 (Prague), Vice-President Conferences of the IEEE EMC Society, Associate Editor for IEEE Transactions on EMC and IEEE Letters on EMC Practice and Applications.	

Dr Adam Tankielun R&D Hardware and Solutions - Antenna Test, Rohde & Schwarz, Rohde & Schwarz	Adam Tankielun received his MSc in Electrical Engineering (mgr inż.) from Gdańsk University of Technology in 2002 and his Dr.-Ing. from Leibniz University Hannover in 2007. From 2003 to 2008 he worked at the Fraunhofer Institute for Reliability and Microintegration in Paderborn, developing electromagnetic near-field scanning techniques. Since 2008 he has been with Rohde & Schwarz in Munich, where he specializes in developing broadband measurement antennas and over-the-air (OTA) test systems for antennas and wireless devices. Dr. Tankielun is the named inventor on over 40 patents.	
Juergen Kausche Product Manager EMC Test Systems and Projects, Rohde & Schwarz	Mr. Kausche is a Product manager for EMC and RF systems at Rohde & Schwarz with a special focus on radiated wireless measurements including EMF, EMC, Radiated Spurious Emissions (RSE). From 2006-2020, he was a Member of the German EMF standardization working group DKE. Prior to this, Juergen also supported design and development of the specialized broadband antenna and turnkey antenna system.	
Jonathan Teoh Senior Engineer, Rohde & Schwarz	Jonathan is currently in Rohde & Schwarz Asia, responsible for delivering EMC solutions across Asia region. Prior to his career in Rohde & Schwarz, he had over 15 years of experience working on advanced RF systems, systems operations and data analysis, facilitating collaboration between multiple agencies; with diverse knowledge in in radar technology, communications and EM spectrum systems. Jonathan's expertise spans cutting-edge technologies and practical applications, enabling him to provide practical solutions to industry challenges and drive innovation in the field.	
Marc Ihle Owner, Ihle Engineering	2017 Marc Ihle founded Ihle engineering consulting company for electronics, with focus on EMC and signal processing. 2010 to 2017: Research Professor at the University for Applied Sciences in Karlsruhe, Germany. 2008 to 2010: Full Professor at the German University in Cairo, Egypt. 2006 to 2008: Team Leader sensor electronics, SICK AG Waldkirch, Germany. 1999 to 2006: Team Leader R&D Mobile Phones, SIEMENS AG Ulm, Germany. In 1998: Doctorate / Ph.D. at the Karlsruhe Institute of Technology (KIT), Germany.	

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Vignesh Rajamani Application Segment Manager EMC test, Rohde & Schwarz	Dr. Vignesh Rajamani is an expert in the electromagnetic characterization and application of reverberation chambers. A main thrust of his research and project experience in the area of reverberation chambers has been towards increasing test accuracy. In his previous role as a Manager at Exponent, he assisted clients with identifying the root cause of the failures of electronic systems and providing guidance on possible solutions, especially in the area of EMI/C. He served as the President of the IEEE Electromagnetic Compatibility (EMC) Society for the years 2022 and 2023 and involved with several technical committees and educational activities in the EMC Society and its sister societies. In his current role, he is working as Application Segment Manager for EMC test for Rohde and Schwarz USA.	
Bastian Balk Market Segment Manager Automotive, Rohde & Schwarz	Bastian Balk is a Market Segment Manager for automotive antenna testing and EMC testing at Rohde & Schwarz headquarters in Munich, Germany. In this role he is responsible for understanding customer requirements and promoting the related solutions in the automotive testing ecosystem. Bastian holds a master's degree in electrical engineering from the Technical University of Dresden.