Demystifying EMC 2021 – Live Conference Agenda

CET	February 9, 2021 – Day 1
08:00 09:00 – 17:00	Platform opens Visit our educational, exhibition and partner zones and chat with our experts.
10:00 - 10:15	Introduction - live moderation Brigitte Streibich, Rohde & Schwarz Marketing Manager
10:15 - 10:45	Rohde & Schwarz keynote live stream **Christina Gessner** Vice President - Spectrum and Network Analyzer's, EMC Receivers
10:45 – 10:47	Introduction - live moderation Brigitte Streibich
10:47 - 12:45	Keynote by **Lee Hill** Silent Solutions Live stream from USA with Q&A ***"Can you pass the EMC test?"***
12:45 -12:50	Closing - live moderation Brigitte Streibich
12:50 - 14:00	**Visit our educational, exhibition and partner zones and chat with our experts.**
14:00	Introduction - live moderation Laura Sanchez, Rohde & Schwarz Director of Product Management, Handheld and economy Analyzer´s, EMC Receivers
14:00-15:00	Rohde &Schwarz keynote with live Q&A Sam Chew Specialist Engineer, Rohde & Schwarz Asia Pte Ltd ***"The ideas behind Electromagnetic Environment (EME) Testing"***
15:15 - 15:30 15:30 - 17:00	Closing - Live moderation Laura Sanchez **Visit our educational, exhibition and partner zones and chat with our experts.**

CET	February 10, 2021 – Day 2
09:00 – 17:00	**Visit our educational, exhibition and partner zones and chat with our experts.**
10:00 - 10:05	Introduction - live moderation Brigitte Streibich, Marketing Manager
10:05 - 12:15	Keynote by **Lee Hill** Silent Solutions Live stream from USA with Q&A ***"When the conducted emissions test isn't conducted!"***
12:15 -12:20	Introduction - live moderation Brigitte Streibich
12:20 - 14:00	**Visit our educational, exhibition and partner zones and chat with our experts.**
14:00	Introduction live moderation Laura Sanchez, Rohde & Schwarz Director of Product Management, Handheld and economy Analyzer's, EMC Receivers
14:00 - 15:15	Rohde &Schwarz keynote with live Q&A Naseef Mahmud Solution Manager for wireless coexistence testing, Rohde & Schwarz ***"Consequences of lost data packets, talk on RF coexisting testing"***
15:15 - 15:30 15:30 - 17:00	Closing - Live moderation Laura Sanchez **Visit our educational, exhibition and partner zones and chat with our experts.**

CET	February 11, 2021 – Day 3
09:00 – 17:00	**Visit our educational, exhibition and partner zones and chat with our experts.**
10:00 - 10:05	Introduction - live moderation Brigitte Streibich, Marketing Manager
10:05 – 12:15	Keynote by **Lee Hill** Silent Solutions Live stream from USA including Q&A ***"Finding and measuring low frequency current"***
12:15 - 12:20	Closing – live moderation Brigitte Streibich
12:20 - 14:00	**Visit our educational, exhibition and partner zones and chat with our experts.**
14:00	Introduction - live moderation Laura Sanchez, Rohde & Schwarz Director of Product Management, Handheld and economy Analyzers, EMC Receivers
14:00 – 15:30	Rohde &Schwarz keynote with live Q&A Dr. Derat Benoit, Senior Director Development EMC, Rohde & Schwarz **"Over-The-Air testing of electrically large objects – from massive MIMO to vehicle-integrated transceivers?"**
15:30-15:45 till 17:00	Closing - Live moderation Laura Sanchez **Visit our educational, exhibition and partner zones and chat with our experts.** The DEMC 20201 virtual event will be available on demand till April 30. Please come back any time and continue your excursion.

DEMC
Demystifying Electromagnetic Compatibility

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Educational Area: On-Demand from R&S and Partners

Wall 1	Wall 2	Wall	Wall 4	Wall 5
EMC Testing	**Electronic Design**	**Power / Automotive**	**Wireless / IoT**	**General / Regulatory**
Key elements in product quality and compliance Martin Randrup Rohde & Schwarz	**Signal integrity analysis on PCB and interconnects** Dr Alexander Kuellmer / Joern Pfeifer Rohde & Schwarz	**Wireless Power Transfer – An overview of the testing & certification considerations for wireless charging** Mark Briggs UL VS Ltd	**IoT radio equipment using radio modules – radio requirements** Michael Derby Element Materials Technology	**Connector care** Jamie Lunn Rohde & Schwarz
Conducted immunity testing, an evolution Nick Wright EMC Partner AG	**EMC simulation of an electric vehicle powertrain** Tamara Monti Dassault Systemes	**e-motor testing** Martin Wiles Albatross Projects	**IoT radio equipment using radio modules – EMC, Safety, Security** Steve Hayes Element Materials Technology	**Reverb testing** Christian Reimer Rohde & Schwarz
Over-The-Air testing of electrically large objects – from massive MIMO to vehicle integrated transceivers Dr. Derat Benoit R&S	**Introduction to EMC simulations with CST Studio** Tamara Monti Dassault Systemes	**Towards vehicle resilience** Alastair Ruddle Horiba-Mira	**Consequences of lost data packets, talk on RF coexisting testing** Naseef Mahmud Rohde & Schwarz	**Keep Calm and UKCA Mark - Your BREXIT survival guide (Part 3)** Nick Wainwright Eurofins York
Effective EMI shielding solutions Mohammed Al Alami Würth Electronics	**Redesigning with SiC – a EMI compliance rapid prototyping approach** Marcus Sonst Rohde & Schwarz	**Tips & tricks: Power electronics – probing basics** Dr. Mathias Hellwig, Dr. Tim Paasch-Colberg Rohde & Schwarz	**Cybersecurity of IOT Devices – standards and assessment** Joe Lomako TUV SUD	**UKCA Mark: 5 and a half weeks in!** Joe Lomako TUV SUD
Advance analysis for separation of ambient and device under test Tobias Gross Rohde & Schwarz	**Understanding signal integrity** Paul Denisowski Rohde & Schwarz	**Power integrity and noise immunity** Mohammed Al Alami Würth Electronics	**EMC- Antenna test center solution tailored to IoT enabled industrial products** Rohde & Schwarz Case Story	
Best practice for protection your RF input James MacAlonan Rohde & Schwarz	**Making pulse measurements with a network analyser** Jamie Lunn Rohde Schwarz	**The ideas behind Electromagnetic Environment (EME) testing** Sam Chew Rohde & Schwarz	**EMI analysis on switch mode power supplies** Pasi Suhonen / Kenneth Rasmussen Rohde & Schwarz	

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Rohde & Schwarz Virtual Exhibition Area

Zone	Overview
EMI debugging and pre-compliance testing	Designing for EMC is a fast and sure way to guarantee end product certification. Rohde & Schwarz offers a comprehensive list of EMI debugging and pre-compliance equipment to help get your product to market
Beyond Quasi-Peak – Multi APD measurements	The new multi-channel APD (Amplitude Probability Distribution) feature of the R&S®ESW is reducing testing times and the repeatability of measurements beyond that of the traditional method
From EMI to EMS - system solutions	Rohde & Schwarz can provide a full system solution to meet your requirements. EMC testing has never been easier!
Vector Network Analyzer within the EMC lab for inhouse calibrations.	Introducing the Rohde & Schwarz low cost solutions for vector network analysers. Performing in house calibration on cables, attenuators and LISNs can now be done quickly and with accuracy at a fraction of the cost.
Test system for BCI applications	Ever needed a small, convenient conducted immunity/BCI system? Here is the R&S solution with integrated power meters, signal generator and amplifier. Designed to meet all test standards and evolve with your needs.
Visual inspection software for automation of EMC tests	Capture every event, each failure, all issues with the R&S®AdVISE software. Removing the need to sit and monitor the EMC test, the software will effortlessly log every detail. No more post processing video data!
Maintenance and calibration services	Rohde & Schwarz is always close to you with over 70 sales and service locations worldwide. Technical experts at the virtual DEMC2021 will answer your questions on service, calibration and maintenance
Rohde & Schwarz Technology Academy	Discover the latest online training offer from R&S
Full vehicle testing and antenna pattern measurements	The modern world has moved on significantly and EMC needs to evolve beyond current testing requirements. Antenna performance to real world effects now play a bigger factor in today's ever connected world.
Code selective EMF measurements on 5G networks	The code selective EMF measurement method uses demodulation to identify carriers, cells and beams and their individual contribution to the electromagnetic field strength. 5G NR applies new technologies such as beamforming, where very narrow and user-focused beams are used to increase the signal to interference plus noise ratio (SINR) in the field for high data throughput but may create EMF hotspots in the field.
TEMPEST testing	Thanks to its digitally implemented measurement bandwidth of up to 500 MHz and its very high sensitivity, the R&S®FSWT fulfils the requirements for a TEMPEST measuring receiver. The intuitive, straightforward operating concept enables users to accomplish measurement tasks quickly and easily.
5G FR2 OTA testing	5G signalling solution with R&S®CMX500 at the center. Signalling test for 5G NSA mode to verify • LTE/5G signalling protocol behaviour • RF/TX measurements in FR1 • Data E2E testing / LTE & 5G bearers • mmWave OTA signalling and RF measurements
RSE measurements on wireless communication equipment	Whether you design, develop or sell wireless equipment. Ensuring your product abides by the standards is paramount. Rohde & Schwarz has an arsenal of tools at your disposal to help over come one of the fastest changing environments today.
Device performance and in-device coexistence testing	Regardless of the technology, wireless coexistence testing aims to maximize receiving system performance in complex electromagnetic environments.

Partner Virtual Exhibition Area

Partner	Description
Silent Solutions	SILENT Solutions LLC & GmbH provides worldwide EMC and RF design, troubleshooting, and training services. Private and public EMC courses are available online and in-person through SILENT & University of Oxford
Eurofins E&E	Eurofins E&E UK (incorporating Eurofins ETC, Eurofins Hursley, Eurofins CML and Eurofins York) is a full-service provider of regulatory testing, approval and certification services for designers and manufacturers of electronic and electrical products. We enable our customers to meet regulatory compliance needs with cost-effective testing, support and access to our extensive knowledge and expertise. We also offer a comprehensive range of training courses that help our customers to drive innovation, reduce costs and limit business risk.
Element Materials Technology	Element Materials Technology are a global provider of Testing, Inspection and Certification services for a diverse range of materials and products in sectors where failure in service is not an option.
Würth Electronics	Würth Electronics is one of the leading manufacturers of electronic and electromechanical components in Europe. Our direct sales organisation is active in 43 countries throughout the world. With 16 production facilities spread all over the globe, we guarantee complete design-in support, samples free of charge and the delivery of our components anywhere in the world.
Dassault Simulia	Dassault Systèmes SIMULIA provides multidisciplinary-multiscale simulation applications for simulating the realistic behavior of electromagnetics, fluids, materials, structures & vibro-acoustics and more.
EMC Partner UK Ltd	EMC Partner UK Ltd, provides high performance solutions to the UK EMC industry. We are the UK distributor for market leading manufacturers, EMC Partner, Frankonia, AFJ and Schwarzbeck. Our product range includes, Transient test equipment for ESD, EFT, SURGE and DIPS. As well as Lightning systems for commercial, avionics and military applications.
Albatross Projects	Albatross Projects is one of the leading global manufacturers of anechoic chambers and shielded rooms for various applications in EMC, antenna testing and high-frequency technology. Our expertise lies in the development, design and realization of test environments to verify the electromagnetic compatibility of your products according to national and international requirements. Part of the Albatross Projects Group, E&C Anechoic Chambers NV is a worldwide supplier of absorbers for Antenna- as well as for EMC anechoic chambers. We are well-known and appreciated for our drive for high product quality, short lead times and excellent customer support.
UL VS Ltd	UL helps create a better world by applying science to solve safety, security and sustainability challenges. We empower trust by enabling the safe adoption of innovative new products and technologies. Everyone at UL shares a passion to make the world a safer place. All of our work, from independent research and standards development, to testing and certification, to providing analytical and digital solutions, helps improve global well-being. Businesses, industries, governments, regulatory authorities and the public put their trust in us so they can make smarter decisions. To learn more, visit UL.com. To learn more about our non-profit activities, visit UL.org
TUV SUD	At TÜV SÜD our extensive testing facilities and certification capabilities enable our customers to access all major markets through UKCA marking, CE marking, CB scheme, NRTL and FCC certification and CCC mark
E&C Anechoic Chambers	E&C Anechoic Chambers is a worldwide supplier of absorbers for Antenna and EMC anechoic chambers. We are well-known and appreciated for our drive for high product quality & excellent customer support