

EMC MARATHON 2022

Binational Edition

Part 6: Poland - Italy, 22nd March 2022

MARATON EMC2022 Binational Edition is continuation of the series of on-line courses initiated by the IEEE EMC-S PL Board of the Electromagnetic Compatibility Society Polish Chapter of the IEEE (USA)

Main theme: Antennas for EMC applications

AGENDA

Topic I	Some critical parameters of antennas used for EMC testing
Date	22nd March 2022, 13:00 - 13:45 pm (CET)
Description	Antennas used for radiated emission measurements should meet specific requirements set by EMC basic standards. We will discuss the main non-idealities of EMC antennas and the relevant standard specifications.
Speaker	Carlo Carobbi, Department of Information Engineering, Università degli Studi di Firenze, Firenze, Italy
Topic II	Wideband antennas for EMC measurements and microwave imaging
Date	22nd March 2022, 14:00 - 14:45 (CET)
Description	Fundamentals of ultra wide-band antennas will be presented with the aim of highlighting the time domain behavior of measured signals. Time domain parameters of antennas will be introduced and some applications in EMC as well as in microwave imaging will be discussed to derive proper design methodologies.
Speaker	Agostino Monorchio, Full Professor of Electromagnetic Fields at the University of Pisa and IEEE Fellow
Topic III	Selecting RF Antennas for EMC Immunity Testing
Date	22nd March 2022, 15:00 - 15:45 (CET)
Description	The correct selection of antennas for radiated immunity is paramount with respect to efficiency, field strength and the required test illumination area. AR has a vast array of antenna's for different tests and frequency ranges, from field generators down to 10KHz, log-periodic antenna up to 12GHz and horn antenna's up to 50GHz. Presentation will include the AR patented Radiant Arrow/Log-Periodic antenna for reduced size but high power and the AR Trapezoidal Log Periodic antenna which has high isotropic gain with a wide beamwidth as required for the EN61000-4-3 standard.
Speaker	Grzegorz Urbaniak Astat, Poland David Doherty Amplifier Research
Moderator	Krzysztof Sieczkarek Łukasiewicz Research Network - Poznań Institute of Technology Chairman of IEEE EMC-S PL, IEEE EMC-S R8 Coordinator

Event organized by IEEE EMC-S PL in co-operation with IEEE EMC-S IT

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