University of Pavia
Ph.D. School of Electrical and Electronics Engineering and Computer Science
Ph. D. School in Microelectronics

SEMINAR

Millimeter-Wave Measurements using converter-based vector network analyzer system

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Abstract: With the increased demand for the transfer of large volumes of data at high speeds, there is an increasing need to utilize the millimeter wave frequency band. This places an increased demand on designers and manufacturers in the industry to fully characterize and test both active and passive components at the millimeter wave frequencies. This seminar will focus on how a Vector Network Analyzer can be utilized to address the need for millimeter wave component characterization for both passive and active devices. After a review on VNA measurement basics, it will be shown the Rohde & Schwarz solution on how to make measurements in the frequency range up to 500 GHz using external millimeter-wave converters. A VNA instrument will be available for practical and live demonstration.

Bio: Alessandro joined R&S in 2000. Since then, he continued to successfully dedicate his activity to specific products, solutions, and developments for network analysis, in particular Vector Network Analysers and Signal/Spectrum Analysers at high frequencies. He covers the position of Products Management and Application Product Engineer with specific expertise in the field of radar, antenna test, satellite communication, phase noise, and site installation. Alessandro was with the Italian Navy, Ciset Italia (airport devices maintenance), and Scientific Atlanta.

Organizers

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Seminar in English

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