



A Virtual prototype platform for signal/power integrity and Emi/Emc analysis

Monday 9th May h. 17.15

Auditorium of the Conference Centre “Federico II” - Naples

Duration: 45 min.

The identification of signal and power integrity problems in modern electronic products (PCBs, ICs) are critical aspects for the designers who continuously seeking for first-pass system success.

For this reasons it becomes fundamental to be able to analyze in an accurate and fast way an entire complex system and the complete design paths, taking into account all the coupling effects between packages and boards and relative radiated emissions that are often ignored.

A full-wave electromagnetic simulation is thus needed with a high level of confidence and accuracy for the results.

SIwave is the reference ANSYS tool that allows engineers to perform complete signal and power integrity analysis, extracting frequency-dependent circuit models of signal nets and power distribution networks directly from electrical CAD layout (E-CAD) databases.

This seminar goes deeply into the new capabilities of the tool and explains through practical examples and cases how to treat with power integrity joined to signal integrity problems which lead to the necessity to evaluate the EMI/EMC aspects in order to optimize the entire design reducing costs at the same time.

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