THURSDAY 08:30 – 17:50

Basics of Systems Engineering for the Microwave Engineering Community

STh01
EuMC/
EuRAD

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Room: Juliana 1

Modern microwave engineering systems are complex and highly integrated. For the future, the trend further points in this direction where heterogeneous integration, phased array antennas and massive-MIMO front-ends with associated signal processing algorithms are just a few prominent examples. With complexity and high technology integration comes the need for large, multi-disciplinary development teams that are located at several different enterprises and locations. Therefore, clear workflows and development methodologies are required to arrive at viable solutions within time and budget. Here, Systems Engineering comes into play. While Systems Engineering is its own discipline that is currently mainly employed for large cyber-physical systems, its basic principles are universal and can help the microwave engineering community deal with the increasing complexity of their systems. Therefore, this (interactive) course, given by experts, is dedicated to teaching the basics of Systems Engineering at Europe's largest microwave event

PROGRAMME

Why Systems Engineering is a Must-Have Skill for a Microwave Engineer

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Basics of Systems Engineering

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Systems Engineering Applied to Microwave Engineering Systems

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