



Topics on Microelectronics

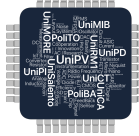


ToM2025 - XIX Year

Updated information at

www.mbtechnoservices.com

Directors: *Andrea Baschirotto & Piero Malcovati*



Italian National
Ph. D Program in
Micro- and Nano-
Electronics

ToM2025 Courses

Abstract:

The main aim of the XIX IEEE Topics on Microelectronics Course is improving the knowledge of the participants in the field of the Microelectronics design, facing different topics and from different perspectives as the microelectronics world is. This Course is then addressed to students (Master and PhD), researchers, designers. In 2025 the two Courses will have different structure. The first one will have as Special Guest STMicroelectronics which provides for a full week an overview of the full development of an IC product. The second one will have the typical ToM course structure with five long lectures (with a sufficient time to give both overview and advanced details about the topic) given by academic professors or qualified experts coming from companies or research centers. In ToM2025 Courses, the academic and industrial approaches for research and state-of-the art progress are then presented. Different topics are addressed in the Course. This is intentional to give a wide-spectrum for the audience about the present and future challenges in the microelectronics world.

ToM2025/2 - Course Program - October, 14-16, 2025

University of Milan-Bicocca (Italy)

Aula Luisella Sironi

Building U4

Tuesday, October, 14th, 2025

14:00 - 17:00 *Salvatore Levantino (Politecnico di Milano, Italy), "Phase-Locked Loops"*

Wednesday, October, 15th, 2025

9:00 - 12:30 *Flavio Maggioni, (Technoprobe, Italy), "Silicon Testing Perspectives from Probe World"*

14:00 - 17:30 *Tobias Zekorn, Alberto Gola (Power Integrations, Switzerland), "Analysis and Design of Advanced Switched Mode Power Supplies and Gate Drivers for Industrial and Automotive Applications"*

Thursday, October, 16th, 2024

9:00 - 12:30 *Pierluigi Albertini (Siemens, Italy), "EDA for Analog Design"*

14:00 - 17:30 *Abu Sebastian, (IBM, Switzerland), "In-Memory Computing for Deep Learning Inference"*

Further information & On-line registration at the website www.mbtechnoservices.com