PhD Course in Physics and Astronomy

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

Topics on Microelectronics

ToM2023 – XVII Year

Updated information at
www.mbtechnoservices.com
Director: Andrea Baschirotto

IEEE-SSCS
Italian Chapter
2020
Best SSCS Chapter Award

Course ToM2023

"Power Electronics innovations for a sustainable world"

September, 4th-6th, 2023

Abstract: The intent of this course is to share with the participants some insights about the technology behind the power electronics domain and the applications of power electronics in the everyday life. The course is open for PhD students, and, also, for analog designers and managers from companies and research centers.
An exam at the end of the course will permit the PhD student to acquire ECTS.

Course Program

Monday, September, 4th, 2023

14:00 – 17:30 *Daniela Barge - "Test Development Engineering – Fundamentals and challenges"*

Tuesday, September, 5th, 2023

9:00 – 12:30 *Stefano Ruzza – "Intelligent Power Module for high efficiency inverter applications"*
14:00 – 17:30 *Gioele Mombelli – "Artificial intelligence applications on low power Microcontroller units (MCU)"*

Wednesday, September, 6th, 2023

9:00 – 12:30 *Giovanni Parrino, - "From the charging station to the wheel: technical challenges for power electronics"*
14:00 – 17:30 *Filippo Boera – "Power microelectronics solutions for a sustainable future"*

Lectures will be held in the Room Martini

Building U6 (Floor -1) – Piazza dell'Ateneo Nuovo – 20126 Milan (Italy)

On-line registration at the website www.mbtechnoservices.com

Course participation includes

- *in-person attendance to all lectures*
- *lunches and coffee-breaks*
- *pdf material for all lectures*
- *certificate of participation*
- *final exam with certificate*