



PhD Course in Physics and Astronomy

Topics on Microelectronics

ToM2021 - XV Year

Updated information at the website

www.innotechevents.com

Director: Andrea Baschirotto



2020

Best SCS Chapter Award

Course ToM2021/1

May 25th-27th, 2021

The lectures will be held on-line on WebEx platform

May 25th, 2021

14.00-17.30 Pietro Andreani (Lund University, Sweden), "Integrated harmonic oscillators"

May 26th, 2021

09.00-12.30 Dante Muratore (TU Delft, The Netherlands), "Circuit challenges in implantable brain-machine interfaces"

14.00-17.30 Bernhard Wicht (Leibniz University Hannover, Germany), "Analog building blocks of DC-DC converters"

May 27th, 2021

09.00-12.30 Tristan Meunier (CNRS, France), "Quantum computing with CMOS technology"

14.00-17.30 Gabriele Manganaro (Mediatek, USA), "High-speed digital-to-analog converters"

Course ToM2021/2

September 21st-23rd, 2021

The lectures will be held on-line on WebEx platform

September 21st, 2021

14.00-17.30 Jussi Jansson (Oulu University, Finland), "Time-to-digital converters and related applications"

September 22nd, 2021

09.00-12.30 Luca Scandola (Infineon Technologies, Italy), "Introduction to DC-DC conversion suitable for automotive application: from the theory to the modelization with practical examples"

14.00-17.30 Benoit Bakeroot (Ghent University, Belgium), "GaN semiconductor devices for power electronics: overview, status and future perspectives"

September 23rd, 2021

09.00-12.30 Andrea Mazzanti (University of Pavia, Italy) and Enrico Monaco (Inphi, Italy), "Introduction and advances in serial links"

14.00-17.30 Piero Malcovati (University of Pavia, Italy), "MEMS and integrated microsystems"

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

Course participation includes

- on-line attendance to all lectures
- pdf material for all lectures
- certificate of participation
- final exam with certificate (if needed)