

Topics on Microelectronics- Ireland (ToM-IE)



Up-to-date information is available at the website
www.microelectronicsevents.com

A series of events directly addressed to researchers, designers from companies and students (Master and PhD) who want to improve their knowledge in the microelectronics field is organized. Each event consists of long talks/lectures (of three hours each, a sufficient time to give both an overview and advanced details about the topic) given by academic professors and qualified experts coming from companies or research centers. In this way, the academic and industrial approaches for research and state-of-the art progress will be presented. Different topics will be addressed in each course. This is intentionally done in order to give a wide-spectrum for the audience about the present challenges in the microelectronics world.

The ToM-IE courses will be organized with the UKRI Chapter of IEEE Solid-State Circuits Society and will be held at the Tyndall National Institute (Lee Maltings, Dyke Parade, Cork, Ireland) with the following programs.

AT THE END OF EACH COURSE AN EXAM WILL BE PROPOSED FOR CERTIFYING ATTENDANCE

2012 ToM-IE Courses

Course 2012-IE/1 - July 2012

03 July 2012

09.00 - 12.30 - Mike Perrott (Masdar Institute) "Analog and Digital Phase-Locked Loops"
14.00 - 17.30 - Colin Lyden (Analog Devices) "The Perennial SAR ADC"

04 July 2012

09.00 - 12.30 - Franco Maloberti (University of Pavia) "Low power data converter design"
14.00 - 17.30 - Mike Perrott (Masdar Institute) "Emerging Circuits: VCO-Based Quantizers and MEMS-based Oscillators"

05 July 2012

09.00 - 12.30 - Tim Cummins (Silicon Labs) "IC Sensor Design"
14.00 - 17.30 - Franco Maloberti (University of Pavia) "Power management for portable systems"

Course 2010-IE/2 - October 2012 - **Updated program**

15 October 2012

09.00 - 12.30 - Andrea Baschiroto (University of Milan-Bicocca) "Active-RC Filters for Telecom"
14.00 - 17.30 - Patrick Quinn, Donncha Lowney & Ivan Bogue (Xilinx) "High Performance Data Converter Design"

16 October 2012

09.00 - 12.30 - Michael Flynn (University of Michigan) "Hybrid ADCs"
14.00 - 17.30 - Michiel Steyaert (K.U. Leuven) "High speed CMOS DA converters & CMOS Integrated DC-DC converters"

17 October 2010

09.00 - 12.30 - Carl Jackson (SensL) "Silicon detectors and imagers - from vacuum tube to solid-state"
14.00 - 17.30 - Paul Walsh & Kaveh Hosseini (Cypress Semiconductor) "SAR ADC Design Considerations"

Course Registration

Return this filled form to andrea.baschiroto@unimib.it before the deadline

Name Email:
Affiliation

	Before May 11 th , 2012	Before August 24 th , 2012	Late registration	
Course 2012-IE/1	€ 320		€ 400	€
Course 2012-IE/2		€ 320	€ 400	€
Course 2012-IE/1 & 2012-IE/2	€ 600			€

(21%-VAT to be added, if needed)

Payment has to be done by Bank Transfer **within the above deadline** to the bank account
Microelectronics Events - CariParma - Credit Agricole - Bank account no. 465240/48
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