



# Topics on Microelectronics (ToM)



Updated informations at the website  
[www.microelectronicsevents.com](http://www.microelectronicsevents.com)

A series of events directly addressed to researcher, designer from companies and students (Master and PhD) who want to improve their knowledge in the microelectronics field is organized. Each event consists in five long talks/lectures (of three hours each, 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 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 courses will be organized with the Italian Chapter of IEEE Solid State Circuit Society and will be held at the Electronics Department of University of Pavia (Via Ferrata, 1 - 27100 Pavia - Italia) with the following programs.

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

## 2010 ToM Courses

### Course 2010/1 - January 2010

25 January 2010

14.00 - 17.30 - Andrea Baschiroto (University of Milan-Bicocca) "ActiveRC-Filters for telecommunications"

26 January 2010

9.00 - 12.30 - Carlo Fiocchi (AustriaMicroSystems) "Challenges and design trend in low-drop voltage regulators"

14.00 - 17.30 - Guido Masera (Polytechnic of Torino) "VLSI decoding architectures for modern and future wireless communication standards"

27 January 2010

9.00 - 12.30 - Enrico Stefano Temporiti (STMMicroelectronics) "PLL-based frequency synthesizers for wireless applications"

14.00 - 17.30 - Franco Maloberti (University of Pavia) "Digital-assisted analog design"

### Course 2010/2 - April 2010

26 April 2010

14.00 - 17.30 - Gaël Pillonnet, Remy Cellier (CPE Lyon) "Fundamentals & Practicals Considerations of Audio Class D Amplifier"

27 April 2010

9.00 - 12.30 - Antonio Liscidini (University of Pavia) "RX receiver chain dimensioning"

14.00 - 17.30 - Gianluigi Pessina (INFN - Milan) "An introduction to the design of low-noise front-end readout of capacitive and resistive detectors"

28 April 2010

9.00 - 12.30 - Francesco Rezzi (Marvell) "Battery Management for Portable Devices"

14.00 - 17.30 - Marco Sabatini (Pirelli) "Enabling technologies for Wireless Sensor from concept design to product: a concrete example"

## Course Registration

Return this filled form to [andrea.baschiroto@unimib.it](mailto:andrea.baschiroto@unimib.it) within the deadline

Name	.....	Email:	.....	
Affiliation	.....			
	Before	Before	Late	
	Jan, 1 <sup>st</sup> , 2010	March, 15 <sup>th</sup> , 2010	registration	
Course 2009/1	200 €		240 €	..... €
Course 2009/2		200 €	240 €	..... €
Course 2009/1 & 2009/2	360 €			..... €

Payment has to be done by Bank Tranfer ***within the above deadline*** to the bank account

Microelectronics Events - CariParma - Credit Agricole - Bank account no. 465240/48

Country: IT / CIN: R / ABI: 6230 / CAB: 48671

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