



Topics on Microelectronics

ToM2012 - VI Year

Updated informations at the website
www.microelectronicsevents.com



In collaboration with the Microelectronics PhD Course at University of Pavia, 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

ToM2012/1 - January 2012

24 January 2012

14.00 - 17.30 Carlo Fiocchi, Marco Cerchi (AustriaMicroSystem), "Theory and practical aspects in bandgap design"

25 January 2012

9.00 - 12.30 Boris Murmann (Stanford University), "Analysis and Design of Switched Capacitor Circuits"

14.00 - 17.30 Alessandro Marchioro (CERN), "Microelectronics for radiation and nuclear sensors"

26 January 2012

9.00 - 12.30 Guido De Sandre (STMicroelectronics), "Low power/low energy in embedded NVMs"

14.00 - 17.30 Peter Kennedy (University College Cork), "Digital Delta-Sigma Modulation: Recent Developments and Applications"

ToM2012/2 - May 2012

8 May 2012

14.00 - 17.30 Antonio Liscidini (University of Pavia), "Recent PLL advances at ISSCC2012"

9 May 2012

9.00 - 12.30 Boris Murmann (Stanford University), "Architecture and Circuit Design for High-Speed Pipeline A/D Converters"

14.00 - 17.30 Luca Molinari (STMicroelectronics), "Design implications and evolutions for Flat Panel TV Audio amplifiers"

10 May 2012

9.00 - 12.30 Boris Murmann (Stanford University) "ADC Energy Limits and Digitally Assisted Architectures"

14.00 - 17.30 Maurizio Zuffada & Antonio Fincato (STMicroelectronics), "The Silicon Photonics Technology"

ToM Course Registration

Return this filled form to andrea.baschirotto@unimib.it within the deadline

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|------------------------|---|
| First Name | Family Name |
| Email: | Affiliation |
| | Before Before Late |
| | Jan, 1 st , 2012 April, 12 th , 2012 registration |
| Course 2012/1 | 220 € 260 € € |
| Course 2012/2 | 220 € 260 € € |
| Course 2012/1 & 2012/2 | 400 € € |

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

Country: IT / CIN: R / ABI: 6230 / CAB: 48671 / SWIFT: CRPPIT2P360

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