University of Pavia MicroElectronics PhD Course



# Topics on Microelectronics

ToM2016 - X Year

Updated informations at the website www.microelectronicsevents.com

IEEE-SSCS
Italian Chapter



In collaboration with the Microelectronics PhD Course at University of Pavia, 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 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 CERTIFING THE POSITIVE ATTENDANCE

## ToM2016/1 - May 2016

May, 10<sup>th</sup>, 2016

14.00-17.30 - M. Glavanovics (KAI Competence Center, Austria), "Reliability of Power Semiconductors - Application Requirements, Damage Mechanisms and Stress Test Methods"

May, 11<sup>th</sup>, 2016

9.00-12.30 - P. Harpe (TU Eindhoven - The Netherlands), "Advances in power-efficient SAR ADCs"- part I 14.00-17.30 - P. Harpe (TU Eindhoven - The Netherlands), "Advances in power-efficient SAR ADCs"- part II May, 12<sup>th</sup>, 2016

9.00-12.30 - R. Gastaldi (RedCat Devices, Italy), "Testing for volatile and non-volatile memories"
14.00-17.30 - A. Di Giandomenico (INTEL, Austria), "Design of Wideband CTSD for wireline and wireless applications"

### ToM2016/2 - September 2016

September, 27<sup>th</sup>, 2016

14.00 - 17.30 A. Nagari (STM, France), "Advances in high-performance SC circuits"

September, 28<sup>th</sup>, 2016

9.00 - 12.30 M. Grasso (Infineon, Italy), "High-Voltage electronics"

14.00 - 17.30 C. Burgio, M. Giacomini (STM, Italy), "Electronics for Automotive"

September, 29th, 2016

9.00 - 12.30 L. Ratti (Univ Pavia, Italy), "Processing the signal from pixel detectors in high energy physics and photon science"

14.00 - 17.30 D. Barrettino (SUPSI, Switzerland), "CMOS-Based Microsystems for Biomedical Applications"

#### ToM Course Registration

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

First Name		Family Name		
Email:	Affiliation			
	Before	Before	Late	
	Apr., 15 <sup>th</sup> , 2016	Sept., 1 <sup>st</sup> , 2016	registration	
Course 2016/1	220€		260 €	€
Course 2016/2		220 €	260€	€
Course 2016/1 & 2016/2	400 €			€

Payment has to be done by Bank Transfer <u>within the above deadline</u> 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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