UNIVERSITÀ DI PAVIA
Department of Electrical, Computer and Biomedical Engineering

PHD SCHOOL IN MICROELECTRONICS

Industrial Topics in Microelectronics - Seminars

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Smart Power Technologies

Dec 4th 2019, h 16.00, Magenta Seminar Room (D Floor)

Department of Electrical, Computer and Biomedical Engineering

Abstract: *The presentation goes through the evolution of the Smart Power technologies, from ICs integrating a few power elements, for motor drive or DC/DC converters, to a huge number of HV drivers (up to 200V) for many actual application fields, as systems for medical imaging or MEMS actuator drivers. A particular emphasis will be given to the analysis of the main design difficulties and relative solutions implemented to reach the required performances.*

Speaker: Giulio Ricotti was born in 1969 in Broni (PV) Italy. In 1993, he entered in STMicroelectronics for his thesis and obtained the degree in Electronic Engineering at the University of Pavia with specialization in Telecommunications. On January 1994, he was hired by STMicroelectronics in the Smart Power (SP) products group as analog and power designer. He is a certificate teacher at the ST Teaching Club managing 3 technical courses. He is Design Director and Company Fellow in Research & Development for Smart Power Technology. He is author of more than 60 patents and 70 papers. On June 8th, 2009 he received the award “Premio dei Premi” for the innovation from the President of Italian Republic Giorgio Napolitano in Rome as recognition for a project in the 4-dimension medical echography.

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