UNIVERSITÀ DI PAVIA
Department of Electrical, Computer and Biomedical Engineering

PHD SCHOOL IN MICROELECTRONICS

Analog Mixed-Signal IP Challenges in "Big Digital" SoCs

September 22nd, h 11.00, Magenta Seminar Room (D Floor)

Department of Electrical, Computer and Biomedical Engineering

University of Pavia, Pavia, Italy

Abstract: The presentation will highlight some of the challenges associated with designing and integrating essential analog blocks (bias references, sensors, frequency synthesizers) into very large SoCs on the latest FinFET nodes. Issues such as stringent layout rules, process effects, efficient technology porting, routing challenges and the importance of yield will all be addressed.

Speakers: Stefano Facchin, Przemyslaw Mrosczczyk (Qualcomm, Cork Design Centre)