



UNIVERSITÀ DI PAVIA  
Department of Electrical,  
Computer and Biomedical  
Engineering

PHD SCHOOL IN MICROELECTRONICS

## *Industrial Topics in Microelectronics - Seminars*



# DC-DC Converters & Power Technology Overview

**Dec 11<sup>th</sup> 2019, h 16.00, Magenta Seminar Room (D Floor)**

Department of Electrical, Computer and Biomedical Engineering

**Abstract:** *Maxim Integrated is a recognized leading company in the analog/mixed signal industry. It was founded in 1983 and has grown from a small start-up to a company counting ~7200 employees and 2.3B\$ in revenue. Maxim Integrated can count a global presence distributed in 14 countries around the world and HQ established in San Jose (CA) in the 2012. Maxim Integrated established in Italy in 2000 starting the first Design Center located in Rozzano (MI). The presence of the company in Italy can be based now on a total counting of about 130 employees overall distributed across three Design Centers (Rozzano, Catania and Ragusa). A global overview of the company is offered with insights from the design activity developed in the Design Centers located in Italy from Automotive Power and Industrial & Healthcare Business Units based in Rozzano office.*

### **Speakers:**

**Salvatore Portaluri** graduated in Electronic Engineering from the University of Pavia in 1989. After ten years of experience as design engineer in ST-Microelectronics working in data-storage products area he joined Maxim in 2000 when the local Design Center in Milan started-up. In Maxim he worked as design leader on multiple projects on power management products area (Hot-swap, PoE, Supervisors). He is currently responsible of the design team in Italy for the Automotive Business Unit.

**Luca Bertolini** graduated in Electronic Engineering in Politecnico di Milano in 1988. Spent eight years as DE in ST-Microelectronics working in integrated motor drivers for data-storage products, seven years in Motorola/Freescale (France) in Automotive working on ESP/ABS as Design Group Leader. Joined Maxim in 2005 as Design Director. He worked on PMIC for Display, DC-DC converters, Gate Drivers. He is responsible of a design team based in Italy and India working on Industrial Power Product Line.

### **Organizer**

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### **PhD Coordinator**

Prof. P. Malcovati