



Texas Instruments activities in Italian Design Center in Rozzano (MI): sensor frontends and power management

Abstract:

This presentation will give an overview of the semiconductor company Texas Instruments, followed by a more detailed description of the activities currently running in its Italian Design Center. Examples will be provided about the sensor front-ends developments and the multiple projects of Kilby Labs (central R&D) in the domain of power management. University programs will also be addressed..

Speakers:

Raffaele Boi received the MS degree in electronic engineering from the University of Pavia, Italy, in 1998. He started working as analog designer contractor for ST microelectronics experiencing different electronics domain changing many product lines into the company like lighting, R&D and data storage group, he joined ST microelectronics as an employee in 2004 as analog design project leader. In 2006 he joined NXP semiconductor in Caen, France, as senior analog designer into High speed data converter group. In 2010 joined National semiconductor (which became part of Texas Instruments in 2011) as designer into precision signal path product line, working on Battery management system for electric cars, ultrasound, ultra low power timers, humidity sensor, capacitive sensors and inductive switches. Actually he is taking the role of design manager for Texas instruments Milan site and working for sensor signal path product line.

Giovanni Frattini received the MS degree in electronic engineering from the University of Pavia, Italy, in 1997. The same year he joined STMicroelectronics in Milan, Italy, as an Analog Designer in the BCD technology R&D, where he worked on designing signal analog circuitry for smart power chips, data converters, HV linear and DC/DC power converters. In 2008 he joined National Semiconductor (which became part of Texas Instruments in 2011) to start and lead the R&D team in the Design Center in Milan, Italy, driving the development of chips for different applications, including photovoltaics, ultrasound, LED driving, isolated power conversion, high frequency dc/dc converters. He is author or co-author of 18 papers and he holds 13 patents.

The seminar will be **Feb. 29th**, from **4 to 6 PM** in Aula seminari, floor D.