

# Bosch Sensortec GmbH



# BOSCH

## ***Bosch Sensortec: Company Overview, MEMS sensors and ASIC Design for MEMS sensors***

### **Abstract:**

This presentation will first introduce *Bosch Sensortec GmbH*, the market segments and applications as well as the R&D activities and locations. While taking a look across the major market segments, we'll have the opportunity to get an overview of the company performance, products and technology portfolio. Examples will be described for automotive and consumer electronic areas, specifically MEMS innovations for accelerometers, gyroscopes, magnetometers, pressure, temperature and optical sensors.

The second part will show examples of IC design requirements, topologies and challenges for different MEMS application areas like Smartphones, Wearables, IoT, Automotive. The talk will include interesting videos and hands-on demo applications of the company products.

### **Speakers:**

**Tamer Sinanoglu** graduated in micro-electronic Engineering from the University of Siegen GERMANY in 2005. After 5 years of experience as analog design Engineer at Automotive Electronics in Robert Bosch GmbH working in Tire Pressure Monitoring Systems, Airbag and ESP products, he moved to Bosch Sensortec GmbH in 2010. At Bosch Sensortec GmbH he was working on Acceleration, Gyroscope, Magnetic Pressure and Optical sensors. From 2012 until now he was leading and designed products in 3 different ASIC Design Centers, while 2 of these Design Centers were established new by him. Currently he is responsible of the design team in Milano Italy.

**Dr. Ivano Galdi** reached his PhD at the University of Pavia in 2007 in the area of micro-electronic Engineering. He worked in 3 different companies like National Semiconductor, ST Microelectronics (as freelancer) and Maxim Integrated. During that time he gained experiences in high precision amplifiers for consumer applications, power management for server platforms and gyroscope ASICs for automotive applications, before he joined Bosch Sensortec /Robert Bosch S.p.A.. At Bosch Sensortec he works as an Analog IC Design Expert for consumer MEMS sensors in Milano.

**The seminar will be on October, 18<sup>th</sup> from 4:00 to 6:00 PM in the Seminar Room, Floor D**

