



**University of Pavia**

**Ph.D. School of Electrical and Electronics Engineering and Computer Science  
Ph.D. School in Microelectronics**

**AMS: Magnetic and Inductive Position Sensors for Industrial and Automotive Applications**

**Michael Pichler and Gerald Wiednig  
AMS, Austria**

**23/10/2018 at 16:00  
Aula Seminari Piano D (ex-Elettronica)**

**Abstract:**

This presentation will start with a brief overview of AMS company in general, concerning the supported market segments and applications. The presentation will be organized in two parts: the first part will focus mainly on position sensors and related applications. A comparison of sensor technology will be provided and then the main focus will be on magnetic and inductive position sensor system design. In the second part some demos of applications will be shown. Between the two sessions and at the end there will be some time for Q&A.

**Speaker Biographies:**

**Michael Pichler** joined ams AG 2006 as Evaluation and Verification Engineer in the IC design group for magnetic position sensors.

Since 2014 he is senior application and system engineer in the automotive business line. Michael graduated at the Campus02 in Graz and received a master degree in electrical engineering. Michael Pichler will present magnetic and inductive position sensors.

**Gerald Wiednig** graduated at Austrian Polytech Institute (HTL) for electrical engineering in Graz. He joined ams AG in 1995 as maintenance engineer. In 2000 he joined the IC design group for position sensors as evaluation and verification engineer. He is working since 2011 as principal system engineer in the automotive business line. Gerald holds several patents in the RFID area and on magnetic position sensing. Gerald Wiednig will present the demo applications.

**Organizer**

Prof. Piero Malcovati

**Ph.D. Coordinator**

Proff. Torelli e Di Barba

The seminar will take place in English  
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