



Department of Electrical and Computer Engineering

Title: “Technology Trends in Microwave and Millimetre-waves”

Prof. Wolfgang Bösch

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Wednesday, 22th November 2017, 17:00 – 18:00
Room XOD02 – 117, New Campus – University of Cyprus

Abstract:

This talk will focus on emerging trends in microwave and mm-wave technology, including:

- Semiconductor technologies in GaN and silicon
- Applications such as 5G communications, mobile handsets and automotive radar
- Manufacturing technologies, such as antenna integration and 3D printing.

The presentation is based on that delivered as part of the Doctoral Training School at the recent European Microwave Week.

Biography:

In March 2010 Professor Dr. Wolfgang Bösch joined the Graz University of Technology in Austria to establish a new Institute for Microwave and Photonic Engineering. Prior he has been the CTO of the Advanced Digital Institute in the UK, a not for profit organisation to promote research activities. Earlier he served as the Director of Business and Technology Integration for RFMD UK and for almost 10 years he has been with Filtronic plc as CTO of Filtronic Integrated Products and the Director of the Global Technology Group. Before joining Filtronic, he has held positions at the European Space Agency (ESA) working on amplifier linearization techniques, MPRTeltech in Canada working on MMIC technology projects and the Corporate R&D group of M/A-COM in Boston, USA where he worked on advanced topologies for high efficiency power amplifiers. For four years he was with DaimlerChrysler Aerospace (now Airbus) in Germany working on T/R Modules for airborne radar.

Professor Bösch received his engineering degrees from the Technical University of Vienna and Graz in Austria. He finalised his MBA with distinction at Bradford University School of Management in 2004. He is a Fellow of the IEEE and a Fellow of the IET. He published more than 100 papers and holds 4 patents. He was a Non-Executive Director of Diamond Microwave Devices (DMD) and the Advanced Digital Institute (ADI). He is currently a Non-Executive Director of VIPER-RF company in the UK.