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The IEEE Ottawa Circuits and Systems Society, Solid-State Circuits Society and Electron Devices Society (CASS/SSCS/EDS) Joint Chapter, Antennas and Propagation Society and Microwave Theory & Techniques Society (AP/MTT) Joint Chapter, Electromagnetic Compatibility Society (EMCS) Chapter, Engineering in Medicine & Biology Society (EMBS), Components, Packaging and Manufacturing Technology Society (CPMTS) Chapter, IEEE Ottawa Section (OS), and Department of Electronics at Carleton University (DoE Carleton) are inviting all interested IEEE members and other engineers, technologists, and students to the NXP Presentation:

RF products and Vision at NXP

by

Patrice Gamand

*Fellow and Technology Competency Manager
Corporate R&D Office, NXP Semiconductors, France*



DATE: Dec. 19, 2013

TIME: 1:30 pm – 3:00 pm

Refreshments: will be served.

Place: Carleton University, Department of Electronics (DoE), Mackenzie Engineering Building, Room ME 4124, 1125 Colonel By Drive, Ottawa, Ontario, Canada.

Admission: Free. To ensure a seat, please RSVP Prof. Ram Achar (achar@doe.carleton.ca)

Abstract

The talk will start by covering the NXP positioning, strategy, key figures and application areas. Then, a focus on RF will follow by describing the technology strategy and its challenges. RF BiCMOS and RF CMOS technologies will be discussed with particular emphasis on advanced CMOS nodes to be used in RF. Product examples with associated challenges will be presented. Finally, technical topics for innovation will end the presentation.

Speakers' Bio

Patrice Gamand (IEEE SM'06) received the Ph.D. degree in microelectronics from the University of Lille, France, in 1984. He then joined Philips Research Laboratories in France, where he has been involved with microwave and millimeter-waves ICs in III/V technologies. From 1993 until 2006, he joined Philips Semiconductors, Caen, France, where he had several R&D management positions in telecommunication area. In 2006, he took over the General Management of the RF Innovation Center at NXP Semiconductors. He is now at Corporate R&D office at NXP Semiconductors. He has authored or co-authored more than 60 technical papers in several areas in microwave and RF domains and holds over 32 patents.