

SEMINAR



Speaker: Eng. Farris Alhorr

Senior Business Development Manager,
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Farris Alhorr is an RF specialist and Business Development Manager at National Instruments for the Middle East and North Africa regions. Farris has more than 10 years of industry experience focusing on RF test and measurement instruments, wireless system design, and over the air (OTA) wireless testing. He worked as an RF systems consultant for 5 years and was heavily involved in the CTIA MIMO OTA subgroup. His major CTIA contributions include a patented method on how to make OTA measurements for wireless devices in a reverberation chamber. Besides his technical expertise, Farris worked as a global product line manager for the NI Software Defined Radio (SDR) platforms with a focus on government, industrial, and academic research applications. He successfully launched two new NI USRP SDRs, and has given multiple seminars on SDR and LabVIEW in multiple IEEE conferences. Farris holds a Master of Business Administration from The University of Texas at Austin and Master of Electrical Engineering from Texas Tech University.

Date: Monday, December 14, 2015

Time: 1:00 PM

Venue: Engineering Building, Second floor,
Room 24C28 (ECE Seminar Room)

Title

Paving the Way to 5G

Abstract

Wireless consumers' insatiable demand for bandwidth has spurred unprecedented levels of investment from public and private sectors to explore new ways to increase network capacity and meet escalating demand. Industry analysts predict demand will outpace capacity; it's simply a matter of when. Wireless researchers continue to present ideas to address capacity challenges and explore network topologies that not only tackle capacity concerns but also offer features and functions never thought possible. To increase spectral efficiency of current commercial cellular systems, researchers are exploring physical layer techniques such as massive multiple input, multiple output (MIMO); interference coordination; network densification; and many others. In addition to these techniques, availability of large chunks of spectrum in licensed and unlicensed mm Wave bands (above 28 GHz) have generated interest from researchers, in both academia and industry, as a way to meet the multigigabit per second data rate demand of 2020 and beyond. This seminar will give an overview on the latest 5G technologies and explore the ability to prototype mm Wave use for 5G.

ALL ARE CORDIALLY INVITED