

Seminar On

MIMO Antennas for 5G Multi-Gbps Smartphones and Their MIMO Throughput Verification

By

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Date : 04 December 2019 (Wednesday)

Time : 04:00 pm – 05:00 pm

**Venue : Room 15-202, 15/F, State Key Laboratory of Terahertz and Millimeter Waves,
Lau Ming Wai Academic Building, City University of Hong Kong**

Abstract

Multi-input multi-output (MIMO) operation to support at least 4 MIMO streams for the 5G smartphone has been shown to be promising to provide multi-Gbps throughput with 100 MHz bandwidth only. A MIMO capacity/throughput testbed for up to 14 MIMO streams has been developed at NSYSU for the MIMO throughput verification of the terminal device MIMO antennas. Some recent MIMO antenna design concepts for the smartphone such as the self-decoupled MIMO antennas, conjoined MIMO antennas, and endless metal-frame MIMO antennas will be presented. Their MIMO performances will be discussed.

Biography

Professor Kin-Lu Wong is a National Chair Professor of Ministry of Education, a Distinguished Researcher of Ministry of Science and Technology, a Distinguished Chair Professor with National Sun Yat-sen University, Taiwan, a Thomson Reuters Highly Cited Researcher, an Elsevier Most Cited Researcher, and an IEEE Fellow. He has graduated 55 PhD students, published 560 refereed journal papers, and granted over 300 patents, including 101 U.S. patents. Prof Wong's published articles have been cited over 29,000 times with an H-index of 81 in Google Scholar. He was General Chairs of 2012 APMC, 2014 ISAP, and 2016 APCAP.

*** ALL ARE WELCOME ***

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