Short Course **Day 1: Tuesday, 23 Nov. 2010**

Venue: Capri Hall

Short Course 6

Antenna Designs for Mobile Communications and Satellite Services

Dr. Hang Wong
City University of Hong Kong, China

14:30 – 17:00

Abstract

This course provides participants with comprehensive coverage of a wide variety of planar antenna designs related to numerous communication systems with particular emphases on mobile telecommunication for base station antennas and mobile satellite services for small device applications. The course presents the introduction of broadband patch antenna elements, the practical designs of antenna through the case studies, and the advanced enhancement techniques for bandwidth, gain and radiation pattern purity.The course is intended for graduate students and engineers who are interested in wireless communication antenna designs and work with wireless and related RF / microwave systems.

About the speaker

Hang WONG received the B.Eng., M.Phil., and Ph.D. degrees in electronic engineering from the City University of Hong Kong in 1999, 2002 and 2006, respectively. He joined the Wireless Communications Research Center at City University of Hong Kong in 2002 as an antenna engineer while pursuing a Ph.D. part time; and he is currently a senior engineer at the State Key Laboratory (SKL) of Millimeter Waves, in Hong Kong SAR, China. His recent research interests include design of broadband antennas, RFID antennas, small antennas, GPS antennas and millimeter wave antennas and antenna arrays. He is the co-author of some antenna research book chapters. He was the co-inventor and awarded US and PRC patents on the designs of linear/circularly-polarized, dual-polarized, and small printed antennas. In addition to the research project, he also is the team leader of the antenna group in SKL. He helps some local or oversea RF companies to consult their needs or difficulties. Dr. Wong was awarded the Outstanding Research Thesis Award from City University of Hong Kong in

2002. He received the Microwave Student Prize at the Asia Pacific Microwave Conference 2006 held in Yokohama, Japan; and received the Best Paper Award at the International Symposium on Antennas and Propagation 2008 in Taipei.