

## Two Days Short Course on

# A PERSONAL OVERVIEW OF THE DEVELOPMENT OF PATCH ANTENNAS

by

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### Abstract

This four-hour talk (two-hour per lesson) is a personal account of the development of microstrip patch antennas. It begins with how the speaker, with a background in theoretical plasma physics, got into the study of patch antennas in the early 1980's. After a review of basic theory, the speaker's involvement in the advancement of patch antenna design through research on various topics is described. These include basic characteristics, broadbanding and size-reduction techniques, full wave analysis, dual and triple band designs, circularly polarized as well as reconfigurable patch antennas. Highlighted in the presentation is the close collaboration with the Department of Electronic Engineering at City University of Hong Kong throughout the years. The talk ends with a brief assessment of our impact in the field.

### Biography

Kai Fong Lee received his Ph.D. degree in electrical engineering from Cornell University. He is Dean Emeritus, School of Engineering and Professor Emeritus, Electrical Engineering at the University of Mississippi, where he served from 2001 to 2011. He is also Professor Emeritus of Electrical Engineering at the University of Missouri-Columbia. His prior academic positions included the founding Head of the Department of Electronic Engineering at the City University of Hong Kong, Chair and LaPierre Professor of Electrical Engineering at the University of Missouri-Columbia, Chair and Professor of Electrical Engineering at the University of Toledo, Ohio, and Reader in Electronics at the Chinese University of Hong Kong. He also held research positions at NASA, UCLA, National Oceanic and Atmospheric Administration, National Center for Atmospheric Research, University of California, San Diego, and National Radio Astronomy Observatory. Dr. Lee is a Life Fellow of IEEE. He received the 2009 John Kraus Antenna Award of the IEEE Antennas and Propagation Society for exceptional contributions to the field of antennas. One of his interests in retirement is taking online courses in non-engineering subjects such as music, history, cosmology and economics.

Detailed information of the short course is as follows:

Date	:	1st lesson on 28 Oct 2015 (Wednesday); 2nd lesson on 4 Nov 2015 (Wednesday)
Time	:	3:00 pm to 5:00 pm
Venue	:	Room 6213, Academic 3, City University of Hong Kong
Registration	:	Email to Dr. Terry LAI ( <a href="mailto:hwterry@cityu.edu.hk">hwterry@cityu.edu.hk</a> ) for registration on or before 23 Oct 2015
No. of participants	:	30 (First come, first serve)
Fee	:	Free of charge

**\*\*\* ALL ARE WELCOME \*\*\***

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