

RECENT ADVANCES PLANAR PASSIVE MICROWAVE DEVICES



Prof. Kuo Jen-Tsai
IEEE Fellow
Professor of Department of
Electronic Engineering
Chang Gung University
Taoyuan, Taiwan

Date | 5/4/2016
Time | 10:30 am – 12:00 nn
Venue | Rm. E11-1006,
University of Macau

All Are Welcome

ABSTRACT

Filter design in planar technology has been a hot research topic since a decade ago. The presentation starts with a brief background and a rigorous synthesis, followed by several innovative designs and topologies for enhancing the circuit performances. Presented topics include bandpass filters with wide upper stopbands, dual-band responses, and both. Most materials are adopted from recent journal publications in the *IEEE Trans. Microwave Theory Tech.* and *IEEE Microw. Wireless Compon. Lett.*

BIOGRAPHY

Prof. Jen-Tsai Kuo received the Ph.D. degree from the Institute of Electronics, National Chiao Tung University (NCTU), Hsinchu, Taiwan, in 1992. In 1984 – 2010, he was with the Department of Communications Engineering, NCTU. In 1995 – 1996, he was a Visiting Scholar with the EE Department, UCLA, USA. He has been a professor with Department of Electronic Engineering, Chang Gung University, Taoyuan, Taiwan, since 2010.

Prof. Kuo has received a lot of recognitions both domestically and internationally. He was a recipient of the Best Paper Award presented at the 2002 National Telecomm Conf, Taiwan, the 2007 APMC Prize, Bangkok, Thailand, and the 2008 APMC Prize, Hong Kong, China. One of his advised students won the Best Student Paper Award from the APMC2012. He was the recipient of the 2006 "Taiwan Citation Laureate" presented by the Thomson Scientific®, Singapore, based on his top-1%-citation IEEE TMTT publications in the research category. He was also a recipient of the 2007 Distinguished Research Award presented by the NSC, Taiwan.

Prof. Kuo's Chinese version of Pozar's "Microwave Engineering" textbook has been sold 7000+ copies and widely adopted by many microwave graduate institutes in Taiwan. He was an associate editor for the IEEE Transactions on Microwave Theory and Techniques in 2008 – 2010, and has been an IEEE Fellow since 2014. His research interests include analysis and design of planar microwave circuits and numerical techniques in electromagnetics.

ENQUIRIES

Dr. Choi Wai Wa, Department of Electrical and Computer Engineering
email: welsyc@umac.mo