

Seminar on

On the Development of Broadband Planar Antennas at 300GHz-Band

by

Dr Keren Li

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Date : 28 November 2017 (Tuesday)

Time : 09:30 am – 10:30 am

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

Abstract

The International Telecommunication Union, Radio communication (ITU-R) recently released a new question on a millimeter-wave/THz band from 275-1000 GHz. This talk will present our recent research activities on broadband planar antennas targeted at 300GHz-Band (from 275 to 325 GHz, as the first band of above frequency) in Japan, including some related topics such as the development of the key devices and circuits using Si-CMOS, the wireless system and some issues of standardization of the 300GHz-band.

Biography

Dr. Keren Li received the Ph.D. degree in optical communications from the University of Tokyo, Tokyo, Japan, in March 1991. He joined the University of Electro-communications (UEC) as a Research Associate from April 1991, and became a Lecturer in April 1994, and an Associate Professor in February 1997. Since April 1997, he joined National Institute of Information and Communications Technology (NICT, former Communications Research Laboratory: CRL), Tokyo, Japan, in April 1997, and became a senior researcher. His research interests include electromagnetic theory, microwave engineering, wireless communications (mobile system including 5G, UWB radio system and millimeter-wave system), optical communications and photonic devices such as optical modulators and photodetectors for high-speed optical communications, microwave photonics, antennas, and high-speed wireless communication systems using millimeter-wave and THz-wave.

Dr. Li is a member of the Institute of Electrical and Electronics Engineers (IEEE), a member of the Institute of Electronics, Information and Communication Engineers (IEICE) of Japan, a member of the Institute of Electrical Engineers (IEE) of Japan. He was an editorial board member of IEICE Journal since May 1999 to May 2001, and is a councilor of the Institute of Electronics, Information and Communication Engineers (IEICE) since May 2001 to April 2005. He serves as IEEE MTT-S Japan Chapter Secretary, since May 2005 to April 2009.

*** ALL ARE WELCOME ***

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