

## Seminar On

### Be Water My Friend

By

**Dr Kin-Fai (Kenneth) Tong**

**University College London**

**Date : 15 August 2018 (Wednesday)**

**Time : 04:00 pm – 05:00 pm**

**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

Many people know the famous quote of Bruce Lee: “Empty your mind, be formless, like water”. Such concept has been proved very effective in Kung Fu, but can we apply such concept to our scientific research? In this talk, Dr Kenneth Tong, from UCL EEE, will share with you his experience in how water can replace its metallic counterpart and be used in wireless communications. How water’s formless feature can solve the problems in modern wireless communications. You may not see any board breaking demonstration, but hopefully it can inspire you to some new ground breaking ideas.

### Biography

**Dr Kin-Fai (Kenneth) Tong** is a Reader in Antennas, Microwave and Millimetre-wave Engineering, and member of the Sensors, Systems and Circuits Group at the Department of Electronic and Electrical Engineering (EEE) in UCL. He has a strong track record in novel antenna design and microwave/millimetre-wave measurement in different applications such as radar, wireless communications, and medical related applications. During his PhD research, he has been credited to be one of the first who introduced the idea of embedding microstrip patch antennas into mobile phone handsets. His work in U-slot microstrip patch antennas has been cited more than 1000 times to date.

From 2000 to 2005, he was an Expert Researcher in the Photonic and Millimetre-wave Devices Group of the National Institute of Information and Communications Technology, Japan. He was awarded an Incentive Research Fund to work on the application of low-k materials to mm-wave antennas for efficient microwave and photonic monolithic integrations. He has co-authored three book chapters on planar antenna designs and over 130 journal and conference publications. Dr Tong is a senior member of IEEE, Chartered Engineer of UK Engineering Council, Fellow of Electromagnetic Academy USA and Fellow of Higher Education Academy UK.

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

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