



**THE CHINESE UNIVERSITY OF HONG KONG**  
Department of Information Engineering  
*Seminar*

**Bruce Lee-Inspired Fluid Antenna System for  
Extreme Massive Connectivity**

**By**

**Prof. Kai-Kit Wong**  
University College London, UK

**Date : 26 January 2024 (Friday)**

**Time : 2:00pm – 3:00pm**

**Venue : Rm 833, Ho Sin Hang Engineering Building, CUHK**

*Abstract*

“Be formless ... shapeless, like water!”, which were the words used by Bruce Lee, as he was revealing the philosophy of Jeet Kune Do, the martial arts system Lee founded in 1967. Many parallels can be drawn in wireless communications technologies where engineers have been seeking greater flexibility in using the spectral and energy resources for improving network performance. In this talk, I will speak on some new ideas for improving wireless communications performance, using a novel antenna technology, referred to as fluid antenna and its great potential to achieve extreme massive connectivity that is not possible by other technologies we know so far.

*Biography*

(Kit) Kai-Kit Wong received the BEng, the MPhil, and the PhD degrees, all in Electrical and Electronic Engineering, from the Hong Kong University of Science and Technology, Hong Kong, in 1996, 1998, and 2001, respectively. He is Chair Professor of Wireless Communications at the Department of Electronic and Electrical Engineering, University College London. His current research centers around 6G mobile communications. He is one of the early researchers who proposed multiuser MIMO. His first paper on multiuser MIMO was published in WCNC 2000 which appeared to be the first ever research paper on this topic. He is Fellow of IEEE and IET. He served as the Editor-in-Chief for IEEE Wireless Communications Letters between 2020 and 2023.

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