



THE CHINESE UNIVERSITY OF HONG KONG
Department of Information Engineering

Seminar

**Personal Experience in Multi-Disciplinary Research from
the Perspective of Wireless Communications and Networks**

by
Professor Kin K. Leung
EEE and Computing Departments
Imperial College
London
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Date : 19 August, 2016 (Friday)
Time : 2:30 – 3:30pm
Venue : Room 1009, William M.W. Mong Engineering Building
The Chinese University of Hong Kong

Abstract

Since joining Imperial College in 2004, the speaker has been participating in various multi-disciplinary research projects together with colleagues in civil engineering, national defense and public healthcare. His personal experiences reveal that collaborating with colleagues from different fields and working together in different application context are very meaningful and fruitful, not only helping him advance his own research agenda in wireless communications and networks, but also making his work relevant and suitable for tackling complex, practical problems, which are otherwise very difficult to solve. In fact, such collaboration does not only challenge him intellectually, but also inspires and helps him formulate fundamental research problems in his areas of interest. In this seminar, the speaker will present several of his research projects, including on use of wireless sensors for monitoring of environmental pollution and civil-engineering infrastructures, and new technologies for national defense and public healthcare, as a way to illustrate how he has benefited from the multi-disciplinary research.

Biography

After working at AT&T/Lucent Bell Labs in New Jersey for 19 years, Kin K. Leung has been the Tanaka Chair Professor in the EEE and Computing Departments at Imperial College in London since 2004. He is the Head of Communications and Signal Processing Group in the EEE Department. His research focuses on networking, protocols, optimization and performance modeling of wireless broadband, sensor and ad-hoc networks. He also works on multi-antenna systems and cross-layer designs for these networks.

He received the Distinguished Member of Technical Staff Award from AT&T Bell Labs in 1994, and was a co-recipient of the 1997 Lanchester Prize Honorable Mention Award. He is an IEEE Fellow since 2001. He received the Royal Society Wolfson Research Merits Award from 2004 to 2009, and became a member of Academia Europaea in 2012. He has published 270+ papers and received 45+ U.S. patents. Along with his co-authors, he received a number of best paper awards at major conferences, including the IEEE PIMRC 2012 and ICDCS 2013. He serves as a member (2009-11) and the chairman (2012-15) of the IEEE Fellow Evaluation Committee for Communications Society. He also actively serves as journal editors and leads conference committees.

*** ALL ARE WELCOME ***