



THE CHINESE UNIVERSITY OF HONG KONG
Department of Information Engineering

Seminar

**An Update on TV White Space Devices
and Geo-location database in the UK**

by

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Date : 8 October, 2015 (Thursday)
Time : 10:00am – 11:00am
Venue : Room 833 Ho Sin Hang Engineering Building
The Chinese University of Hong Kong

Abstract

TV White Spaces (TVWS) has taken a major step forward with the UK regulator, Ofcom, initiating a pilot of the technology in the UK. A large-scale trial under the Ofcom pilot is carried out recently. The aims are to test aspects of white space devices and geolocation database interactions, validity of the channel availability/powers calculations by the database, interference effects on primary services, etc. This talk aims to provide an update on the trial, giving an overview of its objectives and characteristics, and some early results and observations for TVWS deployment and policies. Finally, challenges and open research issues will be briefly discussed.

Biography

Dr. Yue Gao received his Bachelor degree from Beijing University of Posts and Telecommunications in China in 2002, and his MSc and PhD degrees in telecommunications and microwave antennas from Queen Mary University of London (QMUL) in United Kingdom in 2003 and 2007, respectively. Prior to his current role as a Senior Lecturer (Associate Professor), he worked as Research Assistant and Lecturer in the School of Electronic Engineering and Computer Science at QMUL since 2007. His current research interests include signal processing and smart antennas for TV white space and cognitive radio, MIMO and massive MIMO, and M2M/IoT applications. He has authored and co-authored over 70 peer-reviewed journal and conference papers, 1 granted international patent and 2 licensed works to companies, and one book chapter. Dr. Gao is a Senior Member of IEEE and the principal investigator for TV white space testbed with robust spectrum project funded by the Engineering and Physical Sciences Research Council (EPSRC), and a number of projects funded by companies.

**** ALL ARE WELCOME ****

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