

Recent Advances in Radio Resource Management for Heterogeneous LTE/LTE-Advanced Networks

by
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Date: 9th June 2014, Monday

Time: 3pm-4pm

Venue: NMES LAB

FREE ADMISSION
(Refreshments will be served)

Co-organized by:

IEEE Malaysia ComSoc/VTS Joint Chapter

Centre for Wireless Technology (CWT),

IEEE Multimedia University Student Branch (IEEE MMU SB)

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Abstract: The architectural structure of cellular networks is gradually evolving into the form of heterogeneous networks in which each macrocell in the networks are overlaid with small cells, such as femtocells and relay nodes. Such an evolution brings about the fulfillment of the need for high-speed wireless communications. However, many technical challenges arise from the area of radio resource management (RRM) for heterogeneous cellular networks. In this knowledge sharing session, the recent advances in RRM for cellular networks, particularly Long Term Evolution (LTE)/LTE-Advanced, and the future challenges will be presented. In addition, the experience and process of writing a survey article on the aforementioned area until the acceptance of the article to be published in *IEEE Communications Surveys and Tutorials*; will be shared to the audience.



Biography:

Lee Ying Loong received the B.Eng. (Hons.) degree in electronics majoring in telecommunications from Multimedia University (MMU), Cyberjaya, Selangor, Malaysia, in 2012. He is currently working toward the Ph.D. degree in the area of telecommunications under the supervision of Assoc. Prof. Dr. Chuah Teong Chee (MMU) and Adjunct Assoc. Prof. Dr. Jonathan Loo (Middlesex University, U.K.) at the same university. His research interests include radio resource management in heterogeneous LTE/LTE-A networks, cognitive radio and optimization algorithms.