



## Invited Talk

### Physical Layer Network Coding

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Date: 21 April 2010, Wednesday  
Time: 10:30 a.m. – 11:30 a.m.  
Venue: G3, Electrical Engineering Building

#### Abstract

Recently, physical layer network coding (PNC) has been a hot research topic. In this talk, I will give a brief survey on the progress of PNC. Specifically, the research on PNC is classified into three categories: communication theoretical research, information theoretical research and network theoretical research. Some important papers in each category will be discussed and summarized.

#### Biography

Zhang Shengli received his B. Eng. degree in electronic engineering and the M. Eng. degree in communication and information engineering from the University of Science and Technology of China (USTC), Hefei, China, in 2002 and 2005, respectively. He received the Ph.D. degree in the Department of Information Engineering, the Chinese University of Hong Kong (CUHK), in 2008. From 2002 to 2005, he was with the Personal Communication Network and Spread Spectrum (PCN & SS) Laboratory, USTC, as a Research Engineer involved in several National 863 Research Projects including the Beyond-3 Generation of Mobile System in China (FUTURE Plan). From 2002 to 2005, he was also a Research Engineer of the UTStarcom Wireless Soft Research Center, Hefei, China, involved in the research and implementation of the WCDMA communication systems. From Oct.2008, he was a Research Associate in CUHK. Now, he is an assistant professor with the Communication Engineering Department, Shenzhen University, China. His current research interests include wireless networks, wireless communication, physical layer network coding, and cooperative wireless networks.

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**ALL ARE WELCOME**

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**For ENQUIRIES: Dr. Wei Zhang (Ph: 9385 4033)**