

ELECTRICAL & COMPUTER ENGINEERING SEMINAR

“OFDMA for Mobile Broadband Wireless Communications”

by

Dr. Junyi Li

Vice President of Engineering
QUALCOMM

Monday, April 14, 2008 11:00 a.m.
LSC Grey Rock Room

Abstract & Biography

Abstract. Mobile broadband is a key requirement of the next generation cellular wireless system. OFDMA has been adopted as the leading multiple access technology in major industrial standards including LTE (3GPP), UMB (3GPP2), and WiMAX. In this talk, we will discuss some fundamental design aspects of using OFDMA for mobile broadband wireless communications in the physical, MAC, and network layers as well as cross layer optimization.

Biography. Junyi Li is a Vice President of Engineering at QUALCOMM. He was a key inventor of Flash-OFDM technology, which is arguably the first commercially deployed OFDMA-based mobile broadband wireless communications system. He has been issued about 40 U.S. patents and has more than 150 pending patent applications. He was one of the founding members of Flarion Technologies, a start-up acquired by QUALCOMM in 2006. Prior to that, he was with Bell-Labs research in Lucent Technologies. He has a Ph.D. degree in E.E. from Purdue University and an MBA from the Wharton School at University of Pennsylvania.

Please contact Prof. Edwin Chong, echong@engr.colostate.edu, with any questions.