



Systems Council Chapter Presents
IEEE Distinguished Lecture Series on
Multi-user (MU) MIMO

by Dr. Ning Kong

Date: April 6, 2017

Time: Thursday, 12:00-2:00 PM

Location: VEC 325, California State University, Long Beach

Abstract: One way to meet the dramatically increasing mobile traffic demand, for both downlink and uplink, is to increase spectral efficiency (SE). Multi-user (MU) MIMO increases the SE significantly and it has been already implemented in LTE. The talk will start with an introduction, and then focus on how the MU MIMO can be decomposed into SU MIMO such that there is no MU interference for both uplink and downlink. The talk will also present simulation results on MU MIMO performance and its channel capacity for both uplink and downlink.

About Speaker: Dr. Ning Kong received both BS and MS from the EE Department of Hefei University of Technology in China. She received her PhD from EE Department of Texas A & M University. She has over 20 years' industry working experience and about 20 IEEE publications. Last year she was an Associate Prof. in EE Department of Hefei University of Technology, teaching "The Principle of Communications" and leading the graduating projects on OFDM and interference alignments.

For more information, please contact the secretary of IEEE Coastal Los Angeles Systems Council Chapter, Dr. Hengzhao Yang at hengzhao.yang@csulb.edu. □