

DISTINGUISHED SPEAKER SEMINAR

Thursday, March 31, 2011

2:30 PM

Walter Light Hall, Room 205

Delivering the Mobile Broadband Internet

Stephen Rayment
BelAir Networks

This seminar is intended for a general audience interested in Electrical and Computer Engineering. All are welcome! Refreshments will be served.

Abstract: With mobile data traffic growing exponentially, it is clear that mobile carriers need to deploy radically new architectures to deliver the mobile broadband Internet. These architectures will include smaller cells and offload networks, but deployment and operational issues have historically reduced the cost-effectiveness of these architectures. An overview will be presented of how this business opportunity has unfolded. In addition, the enabling technologies and architectures will be described, showing how they overcome traditional barriers to small cell deployment. The market and technology will be related to the evolution and growth of BelAir Networks, one company that has been a successful leader in the space.

Biography: Stephen Rayment is Chief Technology Officer and co-founder of BelAir Networks, where he is responsible for the company's product and technology evolution. He brings more than 30 years of product and technology experience in the telecommunications industry - most of that focussed on wireless. Previously, he led the development of broadband fixed wireless products, broadband multimedia satcom equipment and the industry's first wireless PBX at Bell-Northern Research and Nortel Networks. Stephen is author of over a dozen patents, and is active in industry standardization, having served as an officer in IEEE 802.11 and the Wi-Fi Alliance. Stephen holds a B.Sc and M.Sc in Electrical Engineering from Queen's University, a Diploma in Administration from the University of Ottawa, is a graduate of the MIT Sloan School's Management of Technology program and is a Senior Member of the IEEE.