

The Trend of Next Generation Wireless Mobile Systems

by Qi Bi, Bell Labs, Alcatel-Lucent

Date: April 19, 2007 (Thursday)

Time: 6:00 pm (refreshment starts at 5:45 pm)

Place: 202 ECEC, NJIT

About the Speaker



Dr. Bi received his M.S. from Shanghai Jiao Tong University and Ph.D. from Pennsylvania State University. After teaching at Utah State University as an assistant professor for one year, he joined Bell Laboratories in 1988 and became a Distinguished Member of Technical Staff in 1995. Two years later, he was promoted to Technical Manager.

Dr. Bi is a recognized expert in wireless communications. He received Awards of Excellence from the Advanced Technology Lab of AT&T in 1996 and 1997, and Bell Labs President's Gold Awards in 2000 and 2002. Under his leadership, his team was recognized in innovations and was awarded the Bell Labs Innovation Team Award in 2003 by the Bell Labs Research. In 2004, he received the Speaker of the Year Award from the IEEE New Jersey Coast Section.

Based on his pioneering contributions in wireless communications, he broke ground in 2003 to become the first Chinese from the People's Republic of China to receive the prestigious Bell Laboratories Fellow Award. In 2004, he was recognized by the Chinese Institute of Engineers and was awarded the Asian American Engineer of the Year Award during Engineers Week in the United States.

Dr. Bi is also dedicated to international and social activities. From 1998 to 1999, he served as the technical chair for the Wireless Mobile ATM Conference. From 1999 to 2000, he organized the first and the second CDMA conferences at Lucent Technologies. From 2000 to 2002, he served as the technical chair for IEEE Globecom's wireless program. In 2003, he served as the technical chair for the IEEE Wireless Communications and Network Conference. Currently, he serves as the chair and organizer for the Wireless and Optical Communications Conference.

Dr. Bi has published extensively in many technical journals and conferences and has served as editors in many technical publications. He was often invited as a keynote speaker in many international conferences and has filed more than 60 US patents. He was also the New York chapter president of the Alumni Association of the Chiao Tung University from 2002 to 2006. He has been listed in Who's Who since 2003.

About the Talk

With the deployment of 3G high speed packet data wireless mobile systems worldwide, stage has been set to evolve 3G wireless systems to the next generation. From this point forward, the efforts are focused on the delivery of the broadband experience with integrated and blended service. In this talk, we shall share our view of where the industry is going and what wireless experience an average user may expect to have in the near future. Our analysis will cover three major industrial standards including CDMA, wCDMA and WiMAX.

Sponsors: IEEE Communications/Signal Processing Society North Jersey Chapter
IEEE Signal Processing Society North Jersey Chapter
IEEE NJIT Student Chapter
NJIT Department of Electrical and Computer Engineering

For more information contact Nirwan Ansari (973)596-3670 or Yun-Qing Shi (973)596-3501.

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