

What:

Scaling Mobile Broadband Capacity – A Fresh Look

When:

November 6, 2012 - Tuesday, 2:30PM

Where:

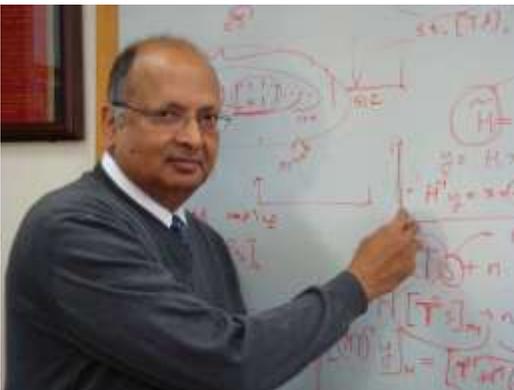
Federal Communications Commission (FCC)
445 12th St. SW, Washington, D.C. 20554

Why attend:

With the large recent growth in mobile broadband use spectrum issues have become increasingly important and controversial. This talk will address the basic options to achieve large increases in mobile wireless capacity which include both increased spectrum availability and more intensive use of spectrum through more efficient technology and infrastructure.

Who will Speak:

Professor Emeritus Arogyaswami Paulraj, Stanford University



Professor Emeritus Arogyaswami Paulraj, Stanford University, is a pioneer of MIMO wireless communications, a technology breakthrough that enables improved wireless performance. MIMO is now incorporated into all new wireless systems. Paulraj is the author of over 400 research papers, two text books and a co-inventor in 52 US patents.

Paulraj has won over a dozen awards in the US, notably the IEEE Alexander Graham Bell Medal, the top award for telecommunications technology pioneers. He is a fellow of seven scientific academies including the US National Academy of Engineering and the Royal Swedish Academy of Engineering Sciences. He is a fellow of IEEE and AAAS.

In 1999, Paulraj founded Iospan Wireless Inc ., which developed and established MIMOOFDMA wireless as the core 4G technology. Iospan was acquired in by Intel Corporation in 2003. In 2004, Paulraj co-founded Beceem Communications Inc. The company became the market leader in 4G-WiMAX semiconductor and was acquired by Broadcom Corp. in 2010.

During his 30 years in the Indian (Navy) (1961-1991), he founded three national level laboratories in India and headed one of India's most successful military R&D projects –APSOH sonar. He received over a dozen awards (many at the national level) in India including the Padma Bhushan, Ati Vishist Seva Medal and the VASVIK Medal.

The seminar will be sponsored by FCC's Office of Strategic Planning and Policy Analysis in cooperation with the Office of Engineering and Technology.

The meeting is open to the public and no reservations are needed.