IEEE SCV Signal Processing Society

Date: Dec 12th 2005
Title: Mobile WiMAX: True Broadband Wireless Enabled
Speaker: Aditya Agrawal, Director of Marketing, Beceem Communications

Location: National Semiconductor Credit Union Building (Building 31), 955 Kifer Rd., Sunnyvale (Near the intersection of Lawrence and Central Expressway);
Coordinates: N37deg 22.464' W122deg 00.272' (WGS84);
http://maps.yahoo.com/maps_result?ed=Lz2FO.p_0TpVKFWBuA124OtTr9dn&csz=Sunnyvale%2C+CA&country=us
Directions: Take 101 to Lawrence Expressway. Head south on Lawrence to Kifer (past Central). Turn right on Kifer. Go 0.5 miles on Kifer and turn right into the Credit Union parking lot. Entrance is on the back side of the building.

Time: 6:30pm: Fast Food & drinks ($1 Donation Recommended towards Refreshments)
7:00pm: Announcement
7:05pm: Talks starts

Abstract:
The IEEE 802.16e standard which enables standards-based true mobile broadband wireless will be formally ratified by the IEEE in December this year. 802.16e is also popularly known as Mobile WiMAX. This talk will give an overview of the standard, how WiMAX Forum is working to make this standard a globally pervasive technology, and technical information on what makes this standard exciting including the fact that this is the first wireless access standard that is based on OFDMA, has support for multiple antenna techniques like MIMO and beamforming and has advanced MAC layer options to support many users with QoS.

Biography:
Aditya Agrawal is Director of Marketing for Beceem Communications that is focused on semiconductor solutions for Broadband Wireless market. Aditya was one of the early members of the WiMAX Forum and is currently Chair of the Certification Working Group (CWG) that runs the WiMAX Certification program. Aditya has previously served on the WiMAX Forum's board of directors. He has also been involved with IEEE 802.16 for over 4 years.

Aditya has more than 15 years of engineering and business experience in the communications and semiconductor industries and has previously worked at Texas Instruments, Level One Communications (now Intel) and Fujitsu Microelectronics. He received his BS degree from IIT Kanpur, MS from the University of Louisiana, and MBA from the Haas School of Business at the University of California, Berkeley.