



Dr. Bob Brodersen to Deliver Keynote Address at Microsoft Research Cognitive Wireless Networking Summit 2008

SiBEAM Founder to Outline Three Ways to Maximize Spectrum and Provide Unlimited Wireless Capacity

Sunnyvale, Calif. – May 28, 2008 – SiBEAM, Inc., a leading innovator of millimeter wave (mmWave) solutions and developer of high-speed wireless communications platforms, today announced that Dr. Bob Brodersen, a SiBEAM founder and Professor Emeritus in the Electrical Engineering and Computer Science Department at the University of California, Berkeley and Co-Scientific Director of the Berkeley Wireless Research Center, will deliver a keynote at this year's Microsoft Cognitive Wireless Networking Summit. On 8:30AM (PST) on Friday, June 6, 2008 at the Salish Lodge & Spa in Snoqualmie, Washington, Dr. Brodersen will focus on three ways to maximize spectrum and provide unlimited wireless capacity.

The well known FCC charts of spectrum allocation give the impression that there is nothing available for new wireless applications that require many orders of magnitude more data rate than the audio links of the past. However, if a spectrum analysis is taken at given time and in a given direction it is found that in actual fact there is an extremely low level of use. Three solutions to solving this waste will be discussed and compared – one is underlay (such as UWB), the second is overlay (such as Cognitive radio) and the third is moving to new higher frequencies with highly directional antennas (such as at 60 GHz). These techniques are not mutually exclusive and by understanding the advantages and limitations of each one will enable the design of future radio systems that will provide the capacity we will need in the future.

SiBEAM's semiconductor systems provide the first and only available option to deliver lossless, uncompressed wireless high definition audio, video and data. SiBEAM's advanced wireless technology solutions are designed for consumer electronics manufacturers, PC manufacturers, network infrastructure providers and others to incorporate into their next generation product lines for wireless communications.

For more information regarding the MSR Cognitive Wireless Networking Summit 2008, please visit:

<http://research.microsoft.com/conferences/cognetsummit/default.aspx>