



NATEA SIG Wireless Seminar

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Date/Time: Tuesday, February 15, 2005 / 6:00 - 8:30 PM
Place: Mountain View City Library (free basement parking, see the map below)
585 Franklin St., Mountain View, CA 94041

Subject 1: **Value-Added Services over 2.5G/3.G & Key Success Factors of Mobile Internet**

Speaker: **Mr. Jerry Chang, Chief System Architecture, Mobile Radius, Inc.**

Abstract

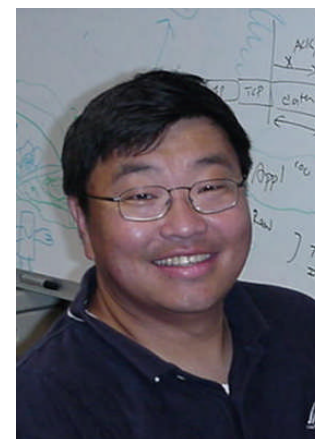
Taking advantage of the emerging 2.5G/3G mobile data networks and the Mobile Internet, mobile operators and value-added services providers are now working on an integrated solution and partnering among each other in order to capture and capitalize this market opportunity quickly and efficiently.

There are, however certain legacies, pros and cons to integrate all the components together, ranging from the underlying network infrastructure, authentication/authorization mechanisms, billing/accounting process, application services, financial settlement, service deployment to actual contents, user applications and various marketing aspects. Besides, the maturity of the handsets, both hardware and software, also plays a key role in the overall success of Mobile data services. Nonetheless, it is inevitable that Mobile Internet will lead the next wave of technology innovation and many new businesses.

Various researches and developments have already been dedicated to produce intelligent and comprehensive turnkey solutions for Value-Added services over 2.5G/3G. Some of the technologies adopted by these developments will be discussed, as well as the overall network topologies, future growths, deployment impacts and market trends. The discussion will conclude with key success factors of Mobile Internet and their related challenges.

Speaker Biography

Mr. Chang is the former chief executive officer (CEO) and co-founder of Clarent, one of the leading Voice-over-IP solution providers in the world. Prior to co-founding Clarent, Mr. Chang was chief architect of voice and message system development at OnLive! Technologies, where he developed real-time voice chatting over the Internet. Prior to that, Mr. Chang spent seven years managing software engineers in the development of database and data management software at Centura Software. Mr. Chang holds a BS in Control Engineering from National Chiao-Tung University, Taiwan, and an MS in Computer Science from Pennsylvania State University.



Subject 2: 802.16 WiMAX Overview and Its Applications

Speaker: Dr. John Huang, Distinguished R&D Engineer, Sprint Advanced Technology Labs

Abstract

Over the years, IEEE has been working on the 802.16 standard for the Wireless Metropolitan Area Network (WiMAX). The 802.16d for fixed WiMAX was approved in 2004 and is now called 802.16 2004. And the 802.16e for mobile application is still being developed and will probably become standard at latest by 2007.

This talk is an overview of the 802.16 2004 as it is being implemented by numerous vendors and being considered as the backhaul solution by some of the cellular carriers. Because of its much wider bandwidth, the 802.16e may compete with the 3G standards, such as CDMA2000, which are being considered or deployed by incumbent cellular carriers.

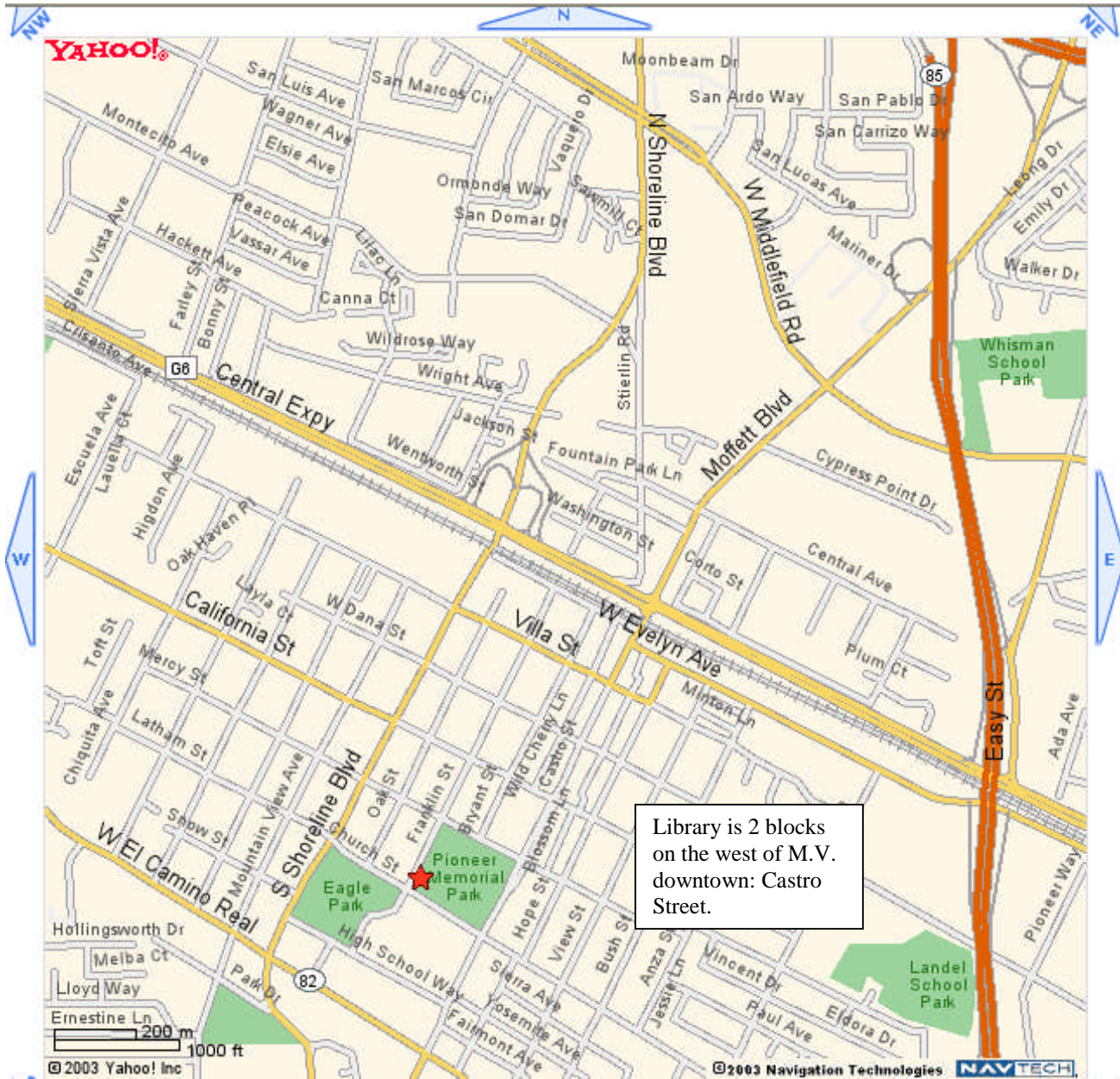
Speaker Biography

Dr. Huang is a Distinguished R&D engineer in the fields of optical networking and wireless systems in the Sprint Advanced Technology Labs for the past ten years. He was a co-founder and the VP of System Engineering in TranSystem, Inc, in the Hsinchu Science Park, Taiwan and worked for it over 1990-94.

Dr Huang received his B.S. from National Taiwan University, his M.S. from University of Massachusetts and his Ph.D. from Concordia University at Montreal, Canada, all in Electrical Engineering. He is a senior member of IEEE and served as the Editor of Radio Communications for the Transactions on Communications 1980-84, and served as the secretary, VP, and then President of the IEEE Silicon Valley Communications Chapter. For 2004, John was a member of the Board and the Secretary for NATEA – HQ (Headquarters). For 2005, John is the President of the NATEA – SV (Silicon Valley) Chapter.



(See below for the map)



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