



THE CHINESE UNIVERSITY OF HONG KONG
Department of Information Engineering

Seminar

IPv4 or IPv6: from Veno to Veno 2

by

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Date : 12 Oct., 2012 (Fri.)
Time : 2:30-3:30pm
Venue : Room 833 Ho Sin Hang Engineering Building
The Chinese University of Hong Kong

Abstract

TCP/IPv4 is the core technology underpinning the Internet. Without the TCP/IPv4 protocol stack, there is no current Internet. TCP Veno was invented in 2001 in IE, CUHK, to eliminate the outstanding problem that TCP performance is degraded significantly by random loss in wireless networks. It was published in IEEE-JSAC (Feb. 2003) with the latest SCI ranking of top 5 in the TCP research field internationally.

Now the whole Internet –TCP/IPv4 - is facing the huge challenge of how to migrate to the next generation Internet – namely TCP/IPv6. Numerous opportunities are ahead both in academia as well as in industry. The tremendous investment is poured into this field. Over past three years of spinoff in Zhongguancun, Veno 2, the next generation of Veno TCP, is moving away this open barrier and won the prestigious reputation in the industry of this seamless migration to IPv6. The current number of users is No. 1 worldwide.

In this talk, the speaker will share latest progress from Veno in academic to Veno 2 in industry. The talk also introduces the blueprint of China telco's migration to IPv6, as well as "smart city" strategies of the main countries in the world. The key role of Veno 2 in "smart city" is pointed out.

Moreover, this talk also aims to recruit (senior) researchers as well as to seek the proper research collaboration internationally, for the R&D team of China Unicom Co. Ltd.

Biography

Cheng Peng, Franklin, Fu received B.Eng., and M.Phil. degrees in microwave theory and Technology, and the Ph.D. in information engineering, from the University of Science and Technology, Shanghai, China, and the Chinese University of Hong Kong, Hong Kong SAR, in 1990, 1995, 2001, respectively.

Dr. Fu was ever a faculty member of Nanyang Technological University, Singapore. He was a Technical Staff in SUN Microsystems Inc., specializing in the Internet architecture design and Internet consultation. Dr. FU was also one of founding members of CERNET while he served Shanghai Jiao Tong University as a faculty member from 1995 to 1997. He serves many international conferences as Technical Program Committee member. He is a senior member of IEEE.

Dr. Fu is the board member of Veno Technology (Beijing) Ltd., (www.veno2.com) and recently he is a national-appointed expert (国家“千人计划”特聘专家) in China Unicom Group Co. Ltd. under "The Recruitment Program for Global Experts"

**** ALL ARE WELCOME ****

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