



THE CHINESE UNIVERSITY OF HONG KONG
Department of Information Engineering

Seminar

Back to the Future – From IPv6 to the Future Internet
by
Professor Xing LI
Tsinghua University

Date : 12th April, 2018 (Thur.)
Time : 11:00am – 12:00noon
Venue : Room 833, Ho Sin Hang Engineering Building
The Chinese University of Hong Kong

Abstract

The Internet is the most important information infrastructure of the modern society. However, the current Internet protocol, IPv4 has shown its ages. The next generation Internet protocol, IPv6 developed 20 years ago, has still not be widely deployed. This presentation will share presenter's experiences on the China Education and Research Network (CERNET/CERNET2) and focused on the challenges of the research topics, including:

- (1) The design principles of the Internet and the how to apply these principles to the academic research.
- (2) The transition from IPv4 to IPv6, a unified solution.
- (3) Internet infrastructure security and how to avoid the fragmentation of the Internet.

We are in the critical time for the design of the future Internet architecture and let's back to the future.

Biography

Xing Li received his B.S. Degree in Radio Electronics from Tsinghua University, China in 1982, and his M.Sc. and Ph.D. degrees in Electrical Engineering from Drexel University, USA in 1985 and 1989, respectively. He has been a faculty of the Electronic Engineering Department at Tsinghua University, China since 1991 and a Professor since 1993. His research activities and interests are in the areas of signal processing, multimedia communication and computer networks. He has published more than 300 papers in his research areas. He was a formal Vice Chair of the Research Institution of Networking Science and Cyberspace Technology. Since 1993, he became one of the pioneers of the China Education and Research Network (CERNET). He is Deputy Director of CERNET Center. He is Chairman of the Professional Committee of Internet of China Computer Federation. He has been participating in IETF for the Internet standard and he is the coauthors of 11 RFCs, including the IPv4/IPv6 transition specifications. He was a member of Internet Architecture Board (IAB). He was serving in the executive council of APNIC, he was Chairman of APNG and Co-chair of CCIRN.

**** ALL ARE WELCOME ****

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