THE CHINESE UNIVERSITY OF HONG KONG
Department of Information Engineering

Seminar

Locator-Identity split research for future Internet

by

Dr. Anthony Chan
Core Network Research Department
Huawei Technologies
U.S.A.

Date   :   **7 July, 2010 (Wed.)**
Time   :   **4:00pm-5:00pm**
Venue   :   **Room 1009, William M.W. Mong Engineering Building**
          The Chinese University of Hong Kong

Abstract

The IP address used for routing at the network layer has been used by upper layers to identify the sender and the receiver for the last 3 decades. Newer usage of the Internet such as mobility, multiple interfaces, multi-homing, change of service provider, traffic management, etc. often require change of the routing IP address. As the routing address changes, applications running on such sessions are then broken. Efforts to de-couple the identity from the locator have drawn much research interests, and various protocols have been proposed. Yet there are many challenges for any major changes to the Internet to become practical. Issues, requirements, and research work will be discussed.

Biography

H. Anthony Chan received his PhD in physics at University of Maryland, College Park in 1982 and then continued post-doctorate research there in basic science. After joining the former AT&T Bell Labs in 1986, his work moved to industry-oriented research in areas of interconnection, electronic packaging, reliability, and assembly in manufacturing, and then moved again to network management, network architecture and standards for both wireless and wireline networks. He was the AT&T delegate in several standards work groups under 3GPP. He was visiting Endowed Pinson Chair Professor in Networking at San Jose State University during 2001-2003 and was professor at University of Cape Town during 2004-2007. He is currently leading 4G wireless core network research in Huawei Technologies and is secretary of IEEE 802.21 Working Group and vice-chair of IEEE 802.21c Task Group. Anthony is Fellow of IEEE. He is distinguished speaker of IEEE CPMT Society and of IEEE Reliability Society.

** ALL ARE WELCOME **

Host: Professor K.W. Cheung (Tel: 2609-8348, Email: kwcheung@ie.cuhk.edu.hk)
Enquiries: Information Engineering Dept., CUHK (Tel.: 2609-8385)