THE CHINESE UNIVERSITY OF HONG KONG
Department of Information Engineering

Seminar

Random Access Performance and ISP-CDN Interaction

by

Professor Mung Chiang

Associate Professor
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Princeton University

Date : **5 March, 2009 (Thur.)**
Time : **3:00 – 4:00pm**
Venue : **Room 833, Ho Sin Hang Engineering Building**
The Chinese University of Hong Kong

Abstract

This talk is about two unrelated topics. One is the first proof of convergence of adaptive CSMA arbitrarily close to utility-optimality with no message passing. Two is analysis and design of the interactions between pipe providers and content providers in the Internet.

The results were obtained in collaboration with Microsoft Research and Princeton CS.

Biography

Mung Chiang is an Associate Professor of Electrical Engineering, and an Affiliated Faculty of Applied and Computational Mathematics and of Computer Science, at Princeton University. He received the B.S. (Honors) in Electrical Engineering and Mathematics, M.S. and Ph.D. degrees in Electrical Engineering from Stanford University in 1999, 2000, and 2003, respectively. His research areas include optimization, distributed control, and stochastic analysis of communication networks, with applications to the Internet, wireless networks, broadband access networks, and content distribution.

His awards include Presidential Early Career Award for Scientists and Engineers 2008 from the White House, Young Investigator Award 2007 from ONR, TR35 Young Innovator Award 2007 from Technology Review, Young Researcher Award Runner-up 2004-2007 from Mathematical Programming Society, CAREER Award 2005 from NSF, as well as Frontiers of Engineering Symposium participant 2008 from NAE and SEAS Teaching Commendation 2007 from Princeton University. He was a Princeton University Howard B. Wentz Junior Faculty and a Hertz Foundation Fellow. His paper awards include ISI citation Fast Breaking Paper in Computer Science, IEEE INFOCOM Best Paper Finalist, and IEEE GLOBECOM Best Student Paper. He also has 16 patents filed, given plenary talks at IEEE workshops RAWNET and SAM, and co-chaired 38th Conference on Information Sciences and Systems. His guest and associate editorial services include IEEE/ACM Trans. Netw., IEEE Trans. Inform. Theory, IEEE J. Sel. Area Comm., IEEE Trans. Comm., IEEE Trans. Wireless Comm., and J. Optimization and Engineering.

** ALL ARE WELCOME **

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