

Department of Computer Science and Engineering

Distinguished Speakers Series Presents

Prof Vincent W.S. Chan, Joan and Irwin Jacobs Professor
Department of Electrical Engineering and Computer Science
Claude E. Shannon Communication and Network Group
Massachusetts Institute of Technology

Optical Flow Switching*
a New “Green” Transport Mechanism for Fiber Networks

Bio: He received his BS(71), MS(71), EE(72), and Ph.D.(74) degrees in electrical engineering from MIT in the area of communications. From 1974 to 1977, he was an assistant professor with the School of Electrical Engineering at Cornell University. He joined Lincoln Laboratory in 1977 as a staff member of the Satellite Communication System Engineering Group working on military communications and networking. In January 1981, he became the Assistant Leader of the Communication Technology Group starting a research and development program on optical space communications. In July 1983, he formed and became Leader of the Optical Communication Technology Group and Manager of the LITE (Laser Intersatellite Transmission Experiment) Program. He became the Head of the Communications and Information Technology Division of Lincoln Laboratory until joining LIDS as its Director in 1999 until November 2007. In 1989, he formed the AON (All-optical-network Consortium) among MIT, AT&T and DEC. He has also served as the principal investigator of a Next Generation Internet Consortium (ONRAMP) formed among AT&T, Cabletron, MIT, Nortel and JDS, and a Satellite Networking Research Consortium formed between MIT, Motorola, Teledesic and Globalstar. He is a member of the Board of Directors of Vitesse Semiconductor Corporation and the Chairman of its Technical Advisory Board. He also serves as a Member of the Corporation of Draper Laboratory and is currently serving as the Editor-in-Chief of the IEEE Optical Communications and Networking Series (as Journal of Selected Area in Communications, Part II), an incubator for a new IEEE journal in the area. He is also currently serving on several Government advisory committees such as the Defense Science Board on technical matters relating to communications and networks. He joined the Research Laboratory of Electronics in December 2007, organizing a broad multi-disciplinary effort in communication and networks. His research interests are in optical communications, wireless communications, space communication and networks. He is a Fellow of the IEEE and the Optical Society of America.

Thursday, March 31, 2011

3:30–4:30 PM

University at Buffalo - North Campus

120 Clemens

This talk is free and open to the public Refreshments for attendees after the talk in 224 Bell Hall