



THE CHINESE UNIVERSITY OF HONG KONG

Department of Information Engineering

Seminar

Jointly organised by IEEE Lasers, Electro-Optic Society (Hong Kong Chapter) and
Centre for Advanced Research in Photonics, CUHK



Lasers and Electro-optics Society
Hong Kong Chapter

Photonics Research in Shanghai Jiao Tong University

by

Professor HU Weisheng and Professor SU Yikai
Shanghai Jiao Tong University, China

Date : November 29, 2004 (Monday)
Time : 5:00pm – 6:00pm
Venue : Rm. 833, Ho Sin Hang Engineering Building,
The Chinese University of Hong Kong

Abstract

Shanghai Jiao Tong University is one of top universities in China that performs research and development on optical networking, transmission and components, and information photonics. In this talk we will introduce the research activities in the state key lab of advanced optical communication systems and networks. In particular, we will talk about the optical networking and transmission research.

The networking research activities can be divided into four phases. (1) SHAONET testbed and STONET employing OADMs and OXCs (1997-1998), (2) CAINONET (China Advanced INFORMATION Optical NETWORKS, 1999-2001), (3) ASON testbed (2001-2003), and (4) 3TNET (Tb transmission, Tb ASON, and Tb routers) since 2003.

The transmission research addresses ultra-high speed signals at 160Gb/s with an emphasis on new signal generation and simulation issues, modulation formats in the presence of OADMs, and a new packet switching paradigm.

Biography

Prof. Weisheng Hu is the director of the State Key Laboratory of Advanced Optical Communication Systems and Networks, Shanghai Jiao Tong University. His research activities include Automatic Switched Optical Networks (ASONS), and design of Optical Add/Drop Multiplexers and Optical Cross-Connects. He is the author or coauthor of ~60 journal and conference papers. He served as the subcommittee chair of APOC 2002 and OECC 2003, and he is an invited speaker at ECOC 2003, OECC 2004, APOC 2004, and ICOCN 2004.

Prof. Yikai Su was with Crawford Hill of Bell Laboratories for 3 years, he is now a full professor at Shanghai Jiao Tong University. Prof. Su has over 60 publications in international journals and conferences, including 8 invited conference talks and 8 postdeadline papers. He serves as a TPC member of ICCAS'04 and ICOCN'04, as well as a reviewer of IEEE Photonics Technology Letters, Optics Letters, Optical and Laser Technology, IEE Proc-OptoElectronics, Journal of Optical Networking, and IEEE Transactions on Circuits and Systems II. He holds 1 US patent with 3 others pending.

**** ALL ARE WELCOME ****

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