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 OADM s 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 OADM s, 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

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 ICCCAS’04 and ICO CN’04, as well as a reviewer of IEEE Photonics Technology Letters,
Networking, and IEEE Transactions on Circuits and Systems II. He holds 1 US patent with 3 others
pending.

** ALL ARE WELCOME **

Host: Prof. Chinlon Lin (Tel: 2609-8370, Email: chinlon@ie.cuhk.edu.hk) & Prof. Calvin Chan (Tel: 2609-8354, Email: ckchan@ie.cuhk.edu.hk)
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