



Asia-Pacific Optical Communications

Advance Technical Program

Conference + Courses: 1–5 November 2007

Co-located with OVC EXPO'07

Wuhan Science & Technology Convention & Exhibition Center
Wuhan, China

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- ▶ **Passive Components and Fiber-Based Devices**
 - ▶ **Optoelectronic Materials and Devices**
 - ▶ **Optical Transmission, Switching, and Subsystems**
 - ▶ **Network Architectures, Management, and Applications**
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**The Productivity Promotion Center of Wuhan East Lake
Hi-Tech Development Zone**

Wuhan Research Institute of Posts and Telecommunications

The State Optoelectronic & Information Industry Base of China

Conference 6783Optical Transmission, Switching, and
Subsystems (APOC03)**Conference 6784**Network Architectures, Management, and
Applications (APOC04)**Monday 5 November**

Room 4

08.30 to 10.00

SESSION 10a
OCDMA*Chair: Elaine Wong*, The
Univ. of Melbourne
(Australia)08.30: **Hybrid WDM/
OCDMA for next
generation access
network** (*Invited Paper*),X. Wang,
N. Wada,
T. Miyazaki,
National Institute
of Informationand Communications
Technology (Japan);
G. Cincotti, Univ. degli
Studi di Roma Tre (Italy);
K. Kitayama, Osaka Univ.
(Japan) [6783-82]09.00: **Analysis of pulse
width and chip length on
DS-OCDMA system**,
Y. Zhang, S. Xie, Tsinghua
Univ. (China) . . . [6783-83]09.15: **Performance
analysis of phase-
encoded OCDMA system
using superstructured
fiber Bragg gratings**,
X. Chen, D. X. Huang,
X. Yuan, Huazhong Univ. of
Science and Technology
(China) [6783-84]09.30: **Sensitivity analysis
of coherent ultrashort
light pulse CDMA
communication system
with respect to
dispersion**, V. Ataie,
K. Jamshidi, Sharif Univ. of
Technology (Iran) [6783-85]09.45: **OCDMA-PON with
chaotic spread spectrum
sequence**, L. Yang,
G. Shou, Z. Qian, Y. Hu, Z.
Guo, Beijing Univ. of Posts
and Telecommunications
(China) [6783-86]Coffee/
Tea Break 10.00 to 10.30

Room 5

08.30 to 10.00

SESSION 10b
Optical Processing I*Chair: Norihiko
Nishizawa*, Osaka Univ.
(Japan)08.30: **Chromatic
dispersion induced PM-
AM conversion and its
application in the all-
optical clock recovery of
NRZ-DPSK signals**,
M. L. Tang, S. Fu,
W. Zhong, Nanyang
Technological Univ.
(Singapore); Y. J. Wen,
Institute for Infocomm
Research (Singapore);
P. Shum, Nanyang
Technological Univ.
(Singapore) . . . [6783-105]08.45: **Theoretical and
experimental study on
10GHz all-optical packet
clock recovery**, W. Wang,
J. Yu, A. Zhang, Y. Cui,
H. Hu, B. Han,
L. Zhang, Tianjin Univ.
(China) [6783-106]09.00: **Progress in system
design using integrated
multi-element
interferometric switches**
(*Invited Paper*),H. Avramopoulos,
E. Kehayas,
G. T. Kanellos,
L. Stampoulidis,
National
Technical Univ. of Athens
(Greece); G. Theophilopoulos,
Univ. of Patras
(Greece) [6783-107]09.30: **All-optical
regenerative multicasting
at 4x10Gb/s for WDM
based on an SOA and a
single optical source**,
L. Zhang, J. Yu, H. Hu,
A. Zhang, W. Wang,
Y. Jiang, W. Jing,
E. Yang, Tianjin Univ.
(China) [6783-108]09.45: **All-optical clock
recovery from NRZ signal
through preprocessing
by single narrow-band
filter**, Y. Yu, X. Zhang,
D. X. Huang, Huazhong
Univ. of Science
and Technology
(China) [6783-109]Coffee/
Tea Break 10.00 to 10.30

Room 6

08.30 to 10.00

SESSION 10
Transport MPLS*Chair: Itaru Nishioka*, NEC
Corp. (Japan)08.30: **Adaptability of
optical multi-service
transport networks**
(*Invited Paper*),J. Zhang, W. Gu,
Beijing Univ. of
Posts and
Telecommunications
(China) [6784-73]09.00: **Controlling
mechanism for dual label
transport in T-MPLS**,
B. Li, K. Liu, S. Huang,
Y. Zhang, W. Gu, Beijing
Univ. of Posts and
Telecommunications
(China) [6784-74]09.15: **Modeling and
simulation of T-MPLS
network**, B. Li, J. Li, Y.
Deng, Y. Zhang, W. Gu,
Beijing Univ. of Posts and
Telecommunications
(China) [6784-75]09.30: **Carrier class
metro ethernet services
over T-MPLS packet
transport networks**, Z. Li,
J. Wu, Y. Zhang, W. Gu,
Beijing Univ. of Posts and
Telecommunications
(China) [6784-76]09.45: **A hardware design
on node in transport
MPLS packet network
based on FPGA**, J. Wu,
Beijing Univ. of Posts and
Telecommunications
(China) [6784-77]Coffee/Tea Break 10.00 to
10.30