3rd International Workshop on the Future Optical Networking
– Beyond 100Gbps Metro and New-Generation Access Technologies-

PHOTONIC INTERNET FORUM

e-Photon ONe

Monday 9th July 2007
Pacifico Yokohama, Japan
 (A part of OECC/IOOC 2007, www.ics-inc.co.jp/OECC_IOOC2007/)

Outline

100Gbps and beyond metro networks together with new-generation FTTH are of growing interest, but many challenges remain for their realisation and debates over their "killer" applications are ongoing. This workshop will focus on the technology challenges of metro networks such as the >100GigE and terabit LANs, together with their roles and applications. It will also cover topics on New-Gneration FTTH systems 5-10 years from now, including the 3D- or Super-High-Difinition video services, their network topologies, and the access technologies such as OCDMA as well as integration of optical and wireless in access and metro. The workshop will feature invited talks by experts all over the world and have a panel comprising of people from government, industry, and academia will conclude the workshop by debating the above topics.

Organizer:

Ken-ichi Kitayama[1], Mike O'Mahony[2], Chunming Qiao[3], Daniel Blumenthal[4], Tanya Politi[5]
1 Osaka Univ., Japan, 2 Univ. of Essex, UK, 2 SUNY at Buffalo, USA, 4 Univ. of California at Santa Barbara, USA, 5 Natl. Technical Univ. of Athens, Greece

Program
US (3)
1) Ting Wang, NEC Labs in Princeton
"A Novel Architecture and the First Experimental Demonstration of OFDM-A Based 10Gb/s Passive Optical Networks over 100km"
2) Rick Lee, Teknovus
"Next generation Access Network" (Tentative)
3) Johnand Jaeger, Infinera
"Beyond 100Gbps"
EU (3)
1) Peter Van Daele, Ghent Univ. Belgium
"EU Broadband Roadmap"
2) Prof Stuart Walker, Univ. Essex

"MUSE"

3) Dr Peter Ossieur from, IMEC, Belgium

"Photonic Integrated Extended Metro and Access Network (PIEMAN)"

Asia (4)

1) Itsuro Morita, KDDI R&D Laboratories, Japan

"Technical Challenges for 100Gb/s-class Ethernet"

2) M. Tsubokawa, NTT Labs., Japan

"New-generation FTTH" (Tentative)

3) Xu Wang, NICT, Japan

"High capacity OCDMA over WDM technique for access network"

4) Byoung-Whi Kim, ETRI, Korea

"Next-generation PON" (Tentative)

Time table

09:00	Opening remarks	
09:10	1st speaker	
09:35	2nd speaker	
10:00	3rd speaker	
10:25~10:50	Coffee break	
10:50	4th speaker	
11:15	5th speaker	
11:40	6th speaker	
12:05~13:30	Lunch	
13:30	7th speaker	
13:55	8th speaker	
14:20	9th speaker	
14:45~15:10	Coffee break	
15:10	10th speaker	
15:35~16:50	Panel discussion	
16:50~17:00	Closing remarks	