



Room A (Lotus Hall 1)

Session Title [MoA1] TDM-PON and Reach-Extension Technologies

Session Chairs Dong-Soo Lee (ETRI, Korea), Naoto Yoshimoto (NTT, Japan)

Date July 12, 2010 (Monday)

Time 14:00-16:00

MoA1-1 14:00-14:30 [Invited] Long-Reach Passive Optical Networks for Rural and Remote Areas

A. V. Tran, K. L. Lee, J. C. Ellershaw, J. L. Riding, K. Hinton, B. S. Gopalakrishna Pillai, Tim Smith, and R. S. Tucker (The Univ. of Melbourne, Australia)

MoA1-2 14:30-15:00 [Invited] Burst-mode Transceiver Technology for 10G-EPON Systems

Masaki Noda, Naoki Suzuki, Satoshi Yoshima, Eitetsu Igawa, Kenji Ishii, Masamichi Nogami, and Junichi Nakagawa (Mitsubishi Electric Corp., Japan)

MoA1-3 15:00-15:15 Field Trial of Multichannel EPON Reach Extenders Employing Tunable Lasers Based on Polymer Waveguides

Hosung Yoon, Chongahn Kim, and Jin-Hee Kim (KT Network R&D Lab., Korea)

MoA1-4 15:15-15:30 Applicable Area Estimation of Bidirectional Optical Amplifiers to 10-Gb/s Class Long-Reach PON Systems

Katsuhisa Taguchi, Masamichi Fujiwara, Takeshi Imai, Ken-Ichi Suzuki, Hiroshi Ishii, Naoto Yoshimoto, and Hisaya Hadama (NTT Access Network Service Systems Labs., Japan)

MoA1-5 15:30-15:45 GPON Upstream Link Utilization Analysis with Integrated Network Surveillance

Hakjeon Bang, Madhan Thollabandi (GIST, Korea), Sungchang Kim, Dong-Soo Lee, Jongdeog Kim (ETRI, Korea), and Chang-Soo Park (GIST, Korea)

MoA1-6 15:45-16:00 FTTH Network Survivability Security Based on Massive Fiber Optic Mechanical Switch in Consolidated Central Office

Young Wuk Lee and Yong Gi Lee (KT Network R&D Lab., Korea)