
Session Title: [FB1] Advanced Optical Transmission

Date: August 29, 2014 (Fri.)

Time: 08:30-10:00

Room Room B

FB1-1

08:30-09:00

[Invited] Phase Sensitive Amplifiers Based on PPLN Waveguides for Optical Communication

Takeshi Umeki, Masaki Asobe, Osamu Tadanaga (NTT Photonics Labs, Japan), Hidehiko Takara, Yutaka Miyamoto (NTT Network Innovation Labs, Japan), and Hirokazu Takenouchi (NTT Photonics Labs, Japan)

FB1-2

09:00-09:30

[Invited] Fiber Nonlinearity Mitigation Using Phase-Conjugated OFDM Subcarriers

Xingwen Yi, Dengke Zeng, Xuemei Chen, Jing Zhang, and Kun Qiu (University of Electronic Science and Technology of China, China)

FB1-3

09:30-09:45

Tbps Optical Super-Channel Receiver Models for Partial Demultiplexing of OFDM Spectrum

Ahmed Galib Reza and June-koo Kevin Rhee (KAIST, Korea)

FB1-4

09:45-10:00

Experimental Study of the Nonlinearity Tolerance of a 100 Gbps Dual-Carrier DP-BPSK Signal on a 3,080 km In-line Dispersion Compensated Fiber Link

Masashi Binkai, Keisuke Matsuda, Tsuyoshi Yoshida, Kiyoshi Onohara, Takashi Sugihara, Hiroki Goto, Kazuyuki Ishida, and Takashi Mizuochi (Mitsubishi Electric Corp, Japan)