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|---------------|-----------------------------------|--------------|-----|
| Session Title | Performance Monitoring | Session Code | 6B1 |
| Date and Time | July 6 (Fri.) / 08:30-10:00 (90') | | |
| Place | Room B | | |
| Session Chair | Tianwai Bo (KAIST) | | |

6B1-1 (Invited)

08:30-09:00 (30')

Time-Frequency Signal Processing based on Fractional Fourier Transform for Coherent Optical Communications

Ming Tang, Huibin Zhou, Hexun Jiang, Xi Chen, Songnian Fu, and Deming Liu
Huazhong Univ. of Sci. and Tech., China

6B1-2 (Invited)

09:00-09:30 (30')

Transmission Characteristics Monitoring by Digital Signal Processing in Coherent Receiver

Zhenning Tao¹, Yangyang Fan¹, Xiaofei Su¹, Hao Chen¹, and Takeshi Hoshida²
¹Fujitsu R&D Center, China, ²Fujitsu Laboratories Ltd., Japan

6B1-3

09:30-09:45 (15')

ADTP-based OSNR Monitoring Technique using Convolutional Neural Network

Mengyuan Wang¹, Danshi Wang¹, Wei Yang², and Min Zhang¹
¹Beijing Univ. of Posts and Telecommunications, China, ²Beijing Information Sci. and Tech. Univ., China

6B1-4

09:45-10:00 (15')

OSNR Monitoring based on Link Analysis for EDFA-Only DWDM Transmission Systems

Yating Xiang¹, Bo Yong², Ming Tang¹, Qiong Wu¹, Huibin Zhou¹, Songnian Fu¹, and Deming Liu¹
¹Huazhong Univ. of Sci. & Tech., China, ²Fiberhome Telecommunication Technologies Co. Ltd., China