



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 Tao<sup>1</sup>, Yangyang Fan<sup>1</sup>, Xiaofei Su<sup>1</sup>, Hao Chen<sup>1</sup>, and Takeshi Hoshida<sup>2</sup>  
<sup>1</sup>Fujitsu R&D Center, China, <sup>2</sup>Fujitsu Laboratories Ltd., Japan

## 6B1-3

09:30-09:45 (15')

### ADTP-based OSNR Monitoring Technique using Convolutional Neural Network

Mengyuan Wang<sup>1</sup>, Danshi Wang<sup>1</sup>, Wei Yang<sup>2</sup>, and Min Zhang<sup>1</sup>  
<sup>1</sup>Beijing Univ. of Posts and Telecommunications, China, <sup>2</sup>Beijing 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 Xiang<sup>1</sup>, Bo Yong<sup>2</sup>, Ming Tang<sup>1</sup>, Qiong Wu<sup>1</sup>, Huibin Zhou<sup>1</sup>, Songnian Fu<sup>1</sup>, and Deming Liu<sup>1</sup>  
<sup>1</sup>Huazhong Univ. of Sci. & Tech., China, <sup>2</sup>Fiberhome Telecommunication Technologies Co. Ltd., China