

Session Title	Polarization Issues & Monitoring	Session Code	5B1
Date and Time	July 5 (Thu.) / 08:30-10:00 (90')		
Place	Room B		
Session Chair	Yuichi Akiyama (Fujitsu)		

## 5B1-1

08:30-08:45 (15')

### Polarization De-Multiplexing using Modified Kalman Filter with Singularity Elimination in Coherent Optical OFDM Transmissions

Yang Jiang<sup>1</sup>, Xingwen Yi<sup>1,2</sup>, Xiatao Huang<sup>1</sup>, Shaohua Hu<sup>1</sup>, Wenjing Zhou<sup>1</sup>, Jing Zhang<sup>1</sup>, and Kun Qiu<sup>1</sup>  
<sup>1</sup>Univ. of Electronic Sci. and Tech. of China, China, <sup>2</sup>Sun Yat-Sen University, China

## 5B1-2

08:45-09:00 (15')

### Sensitivity Analyses of Stokes-Vector Receivers for Cubic-Lattice Polarization Modulation

K. Kikuchi  
 Nat'l Inst. for Academic Degrees and Quality Enhancement of Higher Education, Japan

## 5B1-3

09:00-09:15 (15')

### Effect of Polarization-Dependent Loss on Polarization Slew Rate

R. M. Jopson and E. C. Burrows III  
 Nokia Bell Labs, USA

## 5B1-4

09:15-09:30 (15')

### Blind Modulation Format Identification based on Fourier Fitting for Coherent Receivers

Lin Jiang, Lianshan Yan, Anlin Yi, Yan Pan, Ming Hao, Wei Pan, and Bin Luo  
 Southwest Jiaotong Univ., China

## 5B1-5

09:30-09:45 (15')

### Artificial Neural Network based Modulation Identification for Elastic Optical Networks

Q. W. Zhang, M. Liu, H. Zhou, J. Chen, B. Y. Cao, Y. X. Song, J. J. Zhang, Y. C. Li, and M. Wang  
 Shanghai Univ., China

## 5B1-6

09:45-10:00 (15')

### Fiber Link Analysis and Q-factor Estimation using CNN on Eye-Diagram

Jianqiang Li<sup>1</sup>, Danshi Wang<sup>1</sup>, Jin Li<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. & Tech. Univ., China