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|---------------|--|--------------|-----|
| Session Title | Digital Signal Processing              | Session Code | 6D2 |
| Date and Time | July 6 (Fri.) / 10:30-12:00 (90')      |              |     |
| Place         | Room D                                 |              |     |
| Session Chair | Lianshan Yan (Southwest Jiaotong Univ) |              |     |

## 6D2-1

10:30-10:45 (15')

### Experimental Investigation of Laser Linewidth Tolerance of 32-GBaud DP-256QAM Optical Coherent System

T. Sasai, F. Hamaoka, A. Matsushita, M. Nakamura, H. Kawakami, and Y. Kisaka  
NTT Corp., Japan

## 6D2-2

10:45-11:00 (15')

### Cold-Start of Decision-Aided Maximum Likelihood in Coherent Optical Receivers

Xiaodi You<sup>1</sup>, Jian Chen<sup>1</sup>, and Changyuan Yu<sup>2</sup>

<sup>1</sup>Nanjing Univ. of Posts & Telecommunications, China, <sup>2</sup>The Hong Kong Polytechnic Univ., China

## 6D2-3

11:00-11:15 (15')

### An Improved Algorithm for Symbol Timing Synchronization in CO-OFDM System

Xueqi Wu, Jianfei Liu, Xiangye Zeng, Jia Lu, and Yanpeng Xu  
Hebei Univ. of Tech., China

## 6D2-4

11:15-11:30 (15')

### Peak-to-Average Power Ratio Suppression based on MPGA-SLM

Yang Ye<sup>1</sup>, Mingyi Gao<sup>1</sup>, Wei Chen<sup>1</sup>, Junfeng Zhang<sup>1</sup>, Xiaoyi Chen<sup>1</sup>, Yuanyuan Ma<sup>1</sup>, and Wei Chen<sup>2</sup>

<sup>1</sup>Soochow Univ., China, <sup>2</sup>Jiangsu Hengtong Fiber Sci. and Tech. Corp., China

## 6D2-5

11:30-11:45 (15')

### An Iterative SLM for PAPR Reduction in Optical FRFT-OFDM Systems

Mengxin Han, Yating Wu, Yanzan Sun, Qianwu Zhang, and Baofeng Chen  
Shanghai Univ., China