

Room D (Capri), 2F

Chair: Tong Ye (Fujitsu)

We1D

July 1 (Wed), 2026

Technologies for Coherent Short-Reach Transmission

08:30-10:00

We1D-1

08:30-08:45

A Bias-Modulated Multi-Residual-Carrier Scheme for Robust Phase Recovery under Bias Drift and DC Blocking

Tianhong Zhang¹, Yutong Pan¹, Xiansong Fang¹, Yixiao Zhu², Fan Zhang^{1,3}

¹Peking University, ²Shanghai Jiao Tong University, ³Peng Cheng Laboratory

We1D-2

08:45-09:00

All-Digital Baud-Rate Timing Recovery for Short-Reach Coherent Optical Transmission

Menghong Xu¹, Sheng Cui¹, Jingpeng Liu¹, Jianfeng Han¹, Jing Dai², Ming Tang¹

¹Huazhong University of Science and Technology, ²FiberHome Telecommunication Technologies Co., Ltd.

We1D-3

Invited

09:00-09:30

Monolithically Integrated SiP Self-Coherent Detection Receivers for Optical Interconnects

Jingchi Li, Yikai Su

Shanghai Jiao Tong University

We1D-4

09:30-09:45

Mitigation of Phase-to-Amplitude Noise in Optical SSB System via Phase Locking

Songyan Liu, Tianwai Bo, Shuhua Zhao, Yihao Zhou, Jun Dong, Zhongwei Tan, Yi Dong

Beijing Institute of Technology

We1D-5

09:45-10:00

In-Service Transmitter Full-Field Frequency Response Monitoring Utilizing the Embedded Photodetector

Jie Xu, Meng Xiang, Junjiang Xiang, Gai Zhou, Songnian Fu, Yuwen Qin

Guangdong University of Technology