

Room C (Grand Ballroom 3), 2F

Chair: Eduward Tangdionga
(Eindhoven University of Technology)

Mo2C

Advanced Optical Devices for AI

June 29 (Mon), 2026

14:45-16:15

Mo2C-1

14:45-15:00

Two-Dimensional Activation Functions for Interface Reduction in Optical Accelerators

Yamato Misugi, Chua Hanns Christian J., Junichi Suzuki, Junya Nishioka, Mizuki Shirao, Nobuo Ohata
Mitsubishi Electric Corporation

Mo2C-2

15:00-15:15

3.1 Tbps/(λ ·mm) High Density Optical I/O with Multicore Fibers

Bo Xu¹, Yaotian Zhao¹, Fangchen Hu¹, Shuyuan Liu¹, Zhipei Wang², Aoxue Wang², Xiao Hu¹, Jianyang Shi¹, Haiwen Cai¹, Wei Chu¹
¹Zhangjiang Laboratory, ²Fudan University

Mo2C-3

Invited

15:15-15:45

Terabit Data-Center Interconnects Enabled by Broadband TFLN Modulators

Yixiao Zhu¹, Lingjun Zhou², Xiansong Fang^{2,3}, Yaxi Yan⁴, Weisheng Hu¹, Ke Li³, Fan Zhang^{2,3}
¹Shanghai Jiao Tong University, ²Peking University, ³Pengcheng Laboratory, ⁴The Hong Kong Polytechnic University

Mo2C-4

15:45-16:00

A Study on 2.5D Stacked Optical Chiplets on Glass Substrate for Terabit-Scale Interconnects

Jyung Chan Lee Joon Ki Lee
Electronics and Telecommunications Research Institute

Mo2C-5

16:00-16:15

Flexible Optical Interconnects Enabled by Silicon Photonic Bandwidth Steering Using a 4 × 4 Dual-Microring Optical Switch

Bin Zhang^{1,2}, Qishen Liang¹, Baojie Hou¹, Yongdi Zhang¹, Lingzhi Yuan¹, Bangmin Gong¹, Zichao Zhao¹, Haoran Ma¹, Huihui Zhu¹, Junhui Shi², Hui Yu², Tao Zou², Yuehai Wang¹, Jianyi Yang¹
¹Zhejiang University, ²Zhejiang Lab