

Room E (Sydney), 2F

Chair: Younghyun Kim (Hanyang University)

Mo2E

June 29 (Mon), 2026

Quantum & Intelligent Integrated Photonics

14:45-16:15

Mo2E-1

14:45-15:00

Wafer-Scale and Stable Single-Photon Sources on an 8-Inch Si₃N₄ Platform

Lingzhi Yuan¹, Baojie Hou¹, Zichao Zhao¹, Haoran Ma, Qishen Liang¹, Bin Zhang^{1,2}, Zhujun Wei¹, Huihui Zhu¹, Yuehai Wang¹, Jianyi Yang¹

¹Zhejiang University, ²Zhejiang Lab

Mo2E-2

15:00-15:15

Ultra-Low Loss Optical Phase Shifter on a 200-mm LPCVD Silicon Nitride Platform

Huaqing Qiu, David Coenen, Jon Kjellman, Tangla David Kongnyuy, Mathias Prost, Joost Brouckaert, Roelof Jansen, Marcus S. Dahlem
imec

Mo2E-3

Invited

15:15-15:45

Manufacturable Integrated Photonics for Fault-Tolerant Quantum Computing

Gyeongho Son
PsiQuantum Corp.

Mo2E-4

15:45-16:00

A WDM-MDM Photonic Chip for Matrix-Vector Multiplication

Qingrui Yao^{1,2}, Chengdu Cao¹, Qiaolv Ling¹, Yiwei Xie¹, Huan Li¹, Zejie Yu¹, Xiangxing Bai², Yaocheng Shi¹, Daoxin Dai¹

¹Zhejiang University, ²QIANYUAN Laboratory

Mo2E-5

16:00-16:15

On-Chip Optical Extreme Learning Machine via Supercontinuum Generation in Silicon Nitride Waveguides

Ruifeng Chen, Linanna Qi, Qian Li
Peking University