

Room A (Grand Ballroom 1), 2F

Chair: Younghyun Kim (Hanyang University)

Th2A

July 2 (Thu), 2026

Integrated Photonic Circuits & Components

10:15-11:45

Th2A-1

10:15-10:30

Modal-Decoupled Physics-Informed Digital Twin for Passive Integrated Photonic Reservoirs

Yihang Lai, Tian Zhang, Qi Chen, Zili Cai, Jubo Hao, Jian Dai, Kun Xu
Beijing University of Posts and Telecommunications

Th2A-2

10:30-10:45

On-Chip Tunable Narrow Bandpass Filter for Terahertz Communication Systems

Ziwei Wang^{1,4}, Liao Chen², Lin Wu¹, Ming Luo¹, Tiancai Jiang¹, Chi Zhang², Jin Tao^{1,3}, Xinliang Zhang²
¹China Information Communication Technologies Group Corporation (CICT), ²Huazhong University of Science and Technology, ³Peng Cheng Laboratory, ⁴Hubei Optical Fundamental Research Center

Th2A-3

10:45-11:00

Silicon Based High-Order Mode Filter with Cascaded Asymmetric Couplers

Guanyu Chen¹, Jian Wang¹, Duowei Zeng², Mengyuan Ye²
¹Chongqing University, ²China University of Geosciences Wuhan

Th2A-4

11:00-11:15

Fold-back Directional Coupler for Compact Photonic Circuit Layouts

Injoon Lee, Fumio Shohda, Kenichi Terao, Keita Mochizuki
Mitsubishi Electric Corporation

Th2A-5

11:15-11:30

First Experimental Demonstration of SiN Waveguide 1×2 Power Splitters Based on Mosaic Structure

Keigo Fujimoto¹, Yasuhide Tsuji², Takeshi Fujisawa¹
¹Faculty of Science and Engineering Hosei University, ²Graduate School of Engineering Muroran Institute of Technology

Th2A-6

11:30-11:45

Low-Loss and High-Uniformity 4×4 Silicon Nitride Multi-Mode Interference Coupler on a Glass-Based Photonic Platform

Jihyun Lee, Seokyoung Shin, Kyungjin Jo, Younghyun Kim
Hanyang University