

<b>Session Title:</b>	[We1D] Novel Passive Devices 1
<b>Session Date:</b>	August 7 (Wed.), 2024
<b>Session Time:</b>	09:00-10:30
<b>Session Room:</b>	Room D (113)
<b>Session Chair(s)</b>	Prof. Je-Hyung Kim (UNIST, Korea)

[We1D-1] [Invited] 09:00-09:30

Mode Management in Bottom-up, Parity-time-symmetric Micro-cavity Lasers

Wei Wen Wong, Jihua Zhang, Gaurang Garg, Chennupati Jagadish, and Hark Hoe Tan (The Australian Nat'l Univ., Australia)

[We1D-2] 09:30-09:45

IHO Heater-assisted Planar Waveguide Photonic Emulator

Weiyu Tong, Shangsen Sun, and Jianji Dong (Huazhong Univ. of Science and Tech., China)

[We1D-3] 09:45-10:00

High-Bandwidth, Low-Insertion-Loss Nonreciprocal Transmission Based on a Chiral Silicon Microring

Ke Li, Jiewen Li, Wanxin Li, Rui Li, and Xiaochuan Xu (Harbin Inst. of Tech., China)

[We1D-4] 10:00-10:15

Integrated Silicon Photonic Modulator and Programmable Filter for Enhanced Fiber-Wireless Signal Transmission

C. Catalá-Lahoz (Universitat Politècnica de Valencia, Spain), D. Pérez-López (iPronics Programmable Photonics, Spain), T. Huy-Ho (Huawei Technologies Canada Co., Ltd., Canada), and J. Capmany (Universitat Politècnica de Valencia, Spain)

[We1D-5] 10:15-10:30

Optical Beam Steering and Beam Tracking by Silicon Photonics 2D Vertical MDM Grating Coupler

Yi-Jang Hsu, Shao-Ru Lin, Yu-Wei Liu, and Yinchieh Lai (Nat'l Yang Ming Chiao Tung Univ., Taiwan)