

Session Title:	[We2D] Novel Passive Devices 2
Session Date:	August 7 (Wed.), 2024
Session Time:	10:45-12:15
Session Room:	Room D (113)
Session Chair(s)	Prof. Sangyoon Han (DGIST, Korea)

[We2D-1] [Invited] 10:45-11:15

Comparative Analysis of Self-injection and External Cavity Locking Influenced by Linewidth Enhancement Factor

Artem Prokoshin (King Abdullah Univ. of Science and Tech., Saudi Arabia), Weng W. Chow (Sandia Nat'l Laboratories, USA), and Yating Wan (King Abdullah Univ. of Science and Tech., Saudi Arabia)

[We2D-2] 11:15-11:30

Fabrication of 3D Mode Size Converter for Efficient Edge Coupler in Photonic Circuit using an External Etching Mask

Hyeong-Soon Jang (KIST, Korea), Sangin Kim (Ajou Univ., Korea), Hyoungchan Kwon, Sang-Wook Han, and Hojoong Jung (KIST, Korea)

[We2D-3] 11:30-11:45

A Compact Low-crosstalk Silicon Waveguide Array Based on Floquet Theory

Yu Chen, Xiaogen Yi, Hengjie Zhan, and Ciyuan Qiu (Shanghai Jiao Tong Univ., China)

[We2D-4] 11:45-12:00

Broadband Phase-polarization Co-modulated Dielectric Metasurface for Polarization-independent LCoS Device

Jiaqi Li, Xin Gu, Zhaoxiang Zhu, Zhouxin Liang, Yuhang Lin, Bo Wang, and Yujie Chen (Sun Yat-sen Univ., China)

[We2D-5] 12:00-12:15

Photonic Frequency Space Simulation of Tight-Binding Lattices Using Integrated LNOI Ring Resonators

Armandas Balčytis, Hiep Dinh (RMIT Univ., Australia), Tomoki Ozawa (Tohoku Univ., Japan), Yasutomo Ota (Keio Univ., Japan), Toshihiko Baba (Yokohama Nat'l Univ., Japan), Satoshi Iwamoto (The Univ. of Tokyo, Japan), Arnan Mitchell, and Thach G. Nguyen (RMIT Univ.,



Australia)