

Session Title:	[We3D] Novel Passive Devices 3
Session Date:	August 7 (Wed.), 2024
Session Time:	15:45-17:15
Session Room:	Room D (113)
Session Chair(s)	Prof. Heedeuk Shin (POSTECH, Korea)

[We3D-1] [Invited] 15:45-16:15

Optimal Optical Interface for Fiber-integrated Quantum Photonics

Woong Bae Jeon, Jong Sung Moon, Kyu-Young Kim, and Je-Hyung Kim (UNIST, Korea)

[We3D-2] 16:15-16:30

Dual-ring Super-mode Modulator with a High Modulation Extinction Ratio

Xinxi Zhu, Shihuan Ran, Yu Li, Liangjun Lu (Shanghai Jiao Tong Univ., China), Ningfeng Tang, Faju Liu (ZTE Corp., China), Jianping Chen, and Linjie Zhou (Shanghai Jiao Tong Univ., China)

[We3D-3] 16:30-16:45

Ultralow-Loss Silicon Nitride Microresonators using Room-Temperature Sputtering

Shuangyou Zhang, Toby Bi, Irina Harder, Olga Ohletz, Florentina Gannott, Alexander Gumann, Eduard Butzen, Yaojing Zhang, and Pascal Del'Haye (Max Planck Inst. for the Science of Light, Germany)

[We3D-4] 16:45-17:00

Study of Nonlinear Silicon Nitride Waveguides Loss with Deuterated Silicon Dioxide Cladding

Yinchen Xie, Jiaqi Li, Yanfeng Zhang, and Siyuan Yu (Sun Yat-sen Univ., China)

[We3D-5] 17:00-17:15

Germanium-on-silicon Coupling and Routing Devices Operating at 8  $\mu\text{m}$

Hongjun Cai, Wei Qi, Zhijuan Gu, Xinliang Zhang, and Yu Yu (Huazhong Univ. of Science and Tech., China)