

Session Title:	[Th1D] Photonic Integrated Circuits 1
Session Date:	August 8 (Thu.), 2024
Session Time:	11:00-12:30
Session Room:	Room D (113)
Session Chair(s)	Prof. Il-Sug Chung (UNIST, Korea)

[Th1D-1] [Invited] 11:00-11:30

On-Chip LiDAR with Slow-Light Beam Scanner and Wavelength-Swept Source

Toshihiko Baba and Takemasa Tamanuki (Yokohama Nat'l Univ., Japan)

[Th1D-2] 11:30-11:45

Chip-scale Confocal Laser-scanning Microscope Based on Optical Phased Array

Ju-Wei Wang, Hsin-Hung Lin, Sheng-I Kuo (Nat'l Yang Ming Chiao Tung Univ., Taiwan), Zohauddin Ahmad (Nat'l Central Univ., Taiwan), Ping-Yen Hsieh, Chung-Yu Hsu (Nat'l Yang Ming Chiao Tung Univ., Taiwan), Jin-Wei Shi (Nat'l Central Univ., Taiwan), and You-Chia Chang (Nat'l Yang Ming Chiao Tung Univ., Taiwan)

[Th1D-3] 11:45-12:00

Classical and Quantum Experiments using Hybrid  $\text{Si}_3\text{N}_4$ -LiNbO<sub>3</sub> Quantum Photonic Chip

Kiwon Kwon (POSTECH, Korea), HyungJun Heo, Donghwa Lee, Hyeong-Soon Jang (KIST, Korea), Sangin Kim (Ajou Univ., Korea), Heedeuk Shin (POSTECH, Korea), Yong-Su Kim, Sang-Wook Han, and Hojoong Jung (KIST, Korea)

[Th1D-4] [Invited] 12:00-12:30

Photonic Integrated Circuits for Radar

Chul-Soon Im, Junhyung Cho, Seonu Baek, Ji-Yeong Gwon, Seungeui Lee (Hanwha Systems, Korea), and Youngseok Bae (Agency for Defense Development, Korea)