

Session Title:	[Th2E] Waveguide Photonics II
Session Date:	August 8 (Thu.), 2024
Session Time:	16:00-17:30
Session Room:	Room E (114)
Session Chair(s)	Dr. Yuki Kawaguchi (Sumitomo Electric Industries Ltd., Japan)

[Th2E-1] 16:00-16:15

Analysis of Optical Properties of Thin Passivation Layers Using Ultra-High-Q Mid-IR Microresonators

Daewon Suk, Kiyoungh Ko, Jingyu Kim, Sang-Hee Ko Park (KAIST, Korea), Rongping Wang, Duk-Yong Choi (The Australian Nat'l Univ., Australia), and Hansuek Lee (KAIST, Korea)

[Th2E-2] 16:15-16:30

Dual-comb Pump-probe Characterization of Ultrafast Nonlinear Dynamics of Silicon Photonic Waveguides

Yifan Zhang, Xinxuan Ma, Yuhang Wan, Xin Zhao, and Zheng Zheng (Beihang Univ., China)

[Th2E-3] 16:30-16:45

High-Q Nanograting Ring Resonator Coupled with Grating Waveguides

Anh Igarashi (Tohoku Univ., Japan), Yasuo Ohtera (Toyama Prefectural Univ., Japan), and Hirohito Yamada (Tohoku Univ., Japan)

[Th2E-4] 16:45-17:00

Inverse Design of a Strip-slot Waveguide Mode Converter for Enhancing Nonlinear Performance

Ji-Hwan Park (Defense Agency for Tech. and Quality, Korea), Jae-Yong Kim, Seokjin Hong, Berkay Neseli, and Hamza Kurt (KAIST, Korea)

[Th2E-5] [Invited] 17:00-17:30

Advanced Applications of Kerr Micro-combs

Jiayang Wu, Yang Sun, Yang Li (Swinburne Univ. of Tech., Australia), Mengxi Tan (Beihang Univ., China), Xingyuan Xu (Beijing Univ. of Posts and Telecommunications, China), Sai T. Chu (City Univ. of Hong Kong, China), Brent E. Little (Chinese Academy of Sciences, China), Roberto Morandotti (INRS-Énergie, Canada), Arnan Mitchell (RMIT Univ., Australia) and David J. Moss (Swinburne Univ. of Tech., Australia)