

Session Title:	[Th2D] Photonic Integrated Circuits 2
Session Date:	August 8 (Thu.), 2024
Session Time:	16:00-17:30
Session Room:	Room D (113)
Session Chair(s)	Prof. Il-Sug Chung (UNIST, Korea)

[Th2D-1] [Invited] 16:00-16:30

Space Photonics Roadmap: Current and Future Challenges

L. Rinaldi, F. Scotti (CNIT, Italy), V. Gemmato, C. Porzi (TeCIP Inst., Italy), G. Roelkens, J. Zhang (Ghent Univ.-imec, Belgium), N. Vaissiere, D. Neel, J. Ramirez, J. Decobert (III-V Lab, France), M. Scaffardi, P. Ghelfi, and A. Bogoni (CNIT, Italy)

[Th2D-2] 16:30-16:45

Integrated Silicon Nitride Waveguide Platform for Enhanced Fluorescence Detection: Out-of-Plane and In Plane Collection Strategies

Sushma Gali and Shankar Kumar Selvaraja (Indian Inst. of Science, India)

[Th2D-3] 16:45-17:00

Power Efficient Multimode Optical Switch Based on Inverse Design

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

[Th2D-4] 17:00-17:15

Wideband Planar RF-Choke for Photodiode Packaging in Millimeter-Wave Applications

Mingwei Sun, Bing Xiong, Changzheng Sun, Zhibiao Hao, Jian Wang, Lai Wang, Yanjun Han, Hongtao Li, Lin Gan, and Yi Luo (Tsinghua Univ., China)

[Th2D-5] 17:15-17:30

Development of 808 nm Laser-Assisted-Bonding (LAB) for Photonic System-in-Package Integration

Kevin Shortiss, How Yuan Hwang, Josue Parra-Cetina (Tyndall Nat'l Inst., Ireland), Moritz Seyfried (ficonTEC Service GmbH, Germany), and Peter O'Brien (Tyndall Nat'l Inst., Ireland)