

Room F (Sicily), 2F

Chair: Yuki Yamada (NTT, inc.)

Tu2F

June 30 (Tue), 2026

Novel Photodetectors I

10:15-11:45

Tu2F-1

10:15-10:30

Bandwidth Enhancement for 200-Gbaud Photodiode Using Inductive Peaking Technique based on Coplanar Waveguide

Yusuke Araki, Yuki Yamada, Takuya Hoshi, Shohei Kosuga, Fumito Nakajima
NTT, inc.

Tu2F-2

10:30-10:45

Ultrahigh-Power Ge-on-Si Photodetector Employing Subwavelength Grating Waveguide

Xiaoyang Zhao¹, Shiao Zhao¹, Yu Zhang^{1,2}

¹Huazhong University of Science and Technology, ²Optics Valley Laboratory

Tu2F-3

Invited

10:45-11:15

200-GHz Range Photodetector Technology for High-Baud Rate Optical Fiber Communication

Toshimasa Umezawa, Atsushi Matsumoto, Kouichi Akahane, Naokatsu Yamamoto
National Institute of Information and Communications Technology

Tu2F-4

11:15-11:30

High-Speed Si-Based GeSn Receiver for Extended-Wavelength-Band Optical Communication

Ruoyun Ji¹, Hui Cong^{1,2}, Caile Wang^{1,2}, Yue Li^{1,2}, Siqi Zhang^{1,2}, Fenghe Fu^{1,2}, Chunlai Xue^{1,2}

¹Chinese Academy of Sciences, ²University of Chinese Academy of Sciences

Tu2F-5

11:30-11:45

Simultaneous Bandwidth and Saturation Enhancement in Ge-Si Photodetectors through Via-Contact Engineering

Jian Wang, Can Hua, Guanyu Chen
Chongqing University