

Room F (Sicily), 2F

Chair: Jung Han Choi (Fraunhofer HHI)

Mo2F

June 29 (Mon), 2026

High-Speed Modulators I

14:45-16:00

Mo2F-1 Invited 14:45-15:15

Beyond 300 Gb/s Optical-Amplification-Free Transmission at 85 °C using BTO Silicon Photonics Mach-Zehnder Modulator

Armands Ostrovskis^{1,2}, Thomas Kornher³, Felix Eltes³, Darja Cirjulina¹, Toms Salgals¹, Mateusz Zbik³, Wouter Diels³, Michael Koenigsmann², Benjamin Krüger², Fabio Pittalà², Lu Zhang⁴, Xianbin Yu⁴, Markus Gruen², Hadrien Louchet², Robert Jahn², Kazuo Yamaguchi², Vjaceslavs Bobrovs¹, Cyriel Minkenberg³, Xiaodan Pang^{4,1}, Oskars Ozolins¹

¹Riga Technical University, ²Keysight Technologies Deutschland GmbH, ³Lumiphase AG, ⁴ Zhejiang University

Mo2F-2 15:15-15:30

Above 67 GHz Electro-optic Phase Modulators on an InP Membrane Platform

Ali Kaan Sunnetcioglu, Duarte Fernandes da Silva, James Arthur Hillier, Floris Pronk, Yi Wang, Weiming Yao, Kevin Williams, Yuqing Jiao
Eindhoven University of Technology

Mo2F-3 15:30-15:45

Mid-Infrared Silicon Electro-Optic Modulators via Standard Foundry Processes

Zengfan Shen¹, Qiyuan Li¹, Zhiwei Yan¹, Yuheng Liu³, Yuqin Yuan⁴, Qiyuan Yi¹, Guanglian Cheng¹, Xinzhe Xiong¹, Xuchen Peng¹, Hanming Yuan¹, Jiahao Xing¹, Qixin Xu¹, Lipeng Xia³, Jialin He⁴, Junwen Zhang⁴, Yi Zou³, Li Shen^{1,2}

¹Huazhong University of Science and Technology, ²Optics Valley Laboratory, ³ShanghaiTech University, ⁴Fudan University

Mo2F-4 15:45-16:00

Epitaxial PLZT Electro-Optic Platform for Low-Loss, Low V_π·L Optical Modulators

Keiichi Nashimoto^{1,2} Kazuhide Harada¹

¹EpiPhotonics Corp, ²EpiPhotonics USA, Inc.