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| <b>Session Title:</b>   | [Mo4D] Novel Active Devices       |
| <b>Session Date:</b>    | August 5 (Mon.), 2024             |
| <b>Session Time:</b>    | 17:00-18:30                       |
| <b>Session Room:</b>    | Room D (113)                      |
| <b>Session Chair(s)</b> | Prof. Il-Sug Chung (UNIST, Korea) |

[Mo4D-1] [Invited] 17:00-17:30

InAs Nanostructure Arrays for Room-Temperature Ultra-Broadband Infrared Photodetection  
 Ziyuan Li (Beijing Inst. of Tech., China)

[Mo4D-2] 17:30-17:45

Estimation of Local Phase Errors in Silicon Photonic MZI Mesh from Passive Measurements  
 Kumar Piyush, Yash Raj, Akash Shekhar, Ashitosh Velamuri, Arnab Goswami (Centre for Programmable Photonic Integrated Circuits and Systems, India), Naveen Raj Murugesan, Anandha Padmanabhan, Dinanath Soni (IZMO Microsystems Private Limited, India), Janakiraman Viraraghavan, and Bijoy Krishna Das (Centre for Programmable Photonic Integrated Circuits and Systems, India)

[Mo4D-3] 17:45-18:00

Ultra-Low Power Stress-Optic Phase-Shifters in 400 nm Silicon Nitride Platform Using Thin Film Sputtered-PZT  
 Daniel Yumnam, Venkatachalam P, Rakshitha Kallega, Vishnu Kumar, and Shankar Kumar Selvaraja (Indian Inst. of Science, Bangalore, India)

[Mo4D-4] 18:00-18:15

Thin Film Silicon-organic Hybrid Electro-optic Modulator  
 Yang Feng, Yilang Hu, Yanmei Li (Harbin Inst. of Tech., China), Di Zhang (City Univ. of Hong Kong, Hong Kong S.A.R), Zhanshi Yao (Huawei Technologies Co., Ltd., China), Jingdong Luo (City Univ. of Hong Kong, Hong Kong S.A.R), and Xiaochuan Xu (Harbin Inst. of Tech., China)

[Mo4D-5] 18:15-18:30

Optical-Amplification-Free 206/112 Gbaud OOK/PAM4 O-band SiP RRM-based Links  
 Armands Ostrovskis, Toms Salgals (Riga Technical Univ., Latvia), Michael Koenigsmann (Keysight Technologies Deutschland GmbH, Germany), Kristaps Rubuls (Riga Technical Univ., Latvia), Azra Farid, Benjamin Krüger (Keysight Technologies Deutschland GmbH, Germany),



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Arvids Sedulis (Riga Technical Univ., Latvia), Fabio Pittalà (Keysight Technologies Deutschland GmbH, Germany), Ryan P. Scott (Keysight Technologies, Inc., USA), Hansjoerg Haisch (Keysight Technologies Deutschland GmbH, Germany), Lu Zhang, Xianbin Yu (Zhejiang Univ., China), Rafael Puerta (Ericsson, Sweden), Sandis Spolitis (Riga Technical Univ., Latvia), Richard Schatz, Katia Gallo (KTH Royal Inst. of Tech., Sweden), Markus Gruen, Hadrien Louchet, Robert Jahn, Kazuo Yamaguchi (Keysight Technologies Deutschland GmbH, Germany), Vjaceslavs Bobrovs (Riga Technical Univ., Latvia), Xiaodan Pang (KTH Royal Inst. of Tech., Sweden), and Oskars Ozolins (Riga Technical Univ., Latvia)