



7th IEEE Electron Devices Technology and Manufacturing (EDTM) Conference 2023

March 7 – 10, 2023 / COEX Seoul, Korea

29B. Fabrication and Integration	
Session Date:	March 9(Thu.),2023
Session Time:	13:00-14:20
Session Room:	Room B (#307 bc)
Session Chair:	Prof. Sung Hun Jin (Incheon National University)
	Prof. Jeongkyun Roh (Pusan National University)

[29B-1] [Invited]

13:00-13:25

Integrated Light Source Technologies for Enabling Laser-Integrated Silicon Photonics Chips

Harini Raghavan, Youngmin Kim, Hyo-Jun Joo, Yongduck Jung, Yadong Wang, Kunze Lu, Manlin Luo, Dong-Ho Kang, Hao Sun and Donguk Nam

Nanyang Technological University

[29B-2] [Invited]

13:25-13:50

Liquid-Assistant Transfer Printing Technology

Yue Zhang and Baoxing Xu

The University of Virginia

[29B-3]

13:50-14:05

Pixel Design with Improved Demodulation Contrast for Indirect Time-of-Flight CMOS Image Sensor

Jaehyung Jang, Hoon-Moo Choi, Jongchae Kim, Kyungdo Kim, Hoon-Sang Oh and Chang-Rock Song

SK hynix Inc.

[29B-4]

14:05-14:20

Silicon-Based High-Gain Photodetector with a Strong 254-nm Response for Chemical Oxygen Demand (COD) Monitoring in City Sewage Water

Xin Jin¹, Haolin Zhao¹, Chao Gao¹, Tao Ma¹, Zhou Zhou¹, Xinghui Liu², Wangchang Guo² and Kai Wang¹

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