

Session Title:	[Mo4G] Photonic Device & Sensing III
Session Date:	August 5 (Mon.), 2024
Session Time:	17:00-18:30
Session Room:	Room G (116)
Session Chair(s)	Prof. Mooseok Jang (KAIST, Korea)

[Mo4G-1] 17:00-17:15

Atomic Scale Photomemristors Engineered by Ion Implantation

Jinbin Yang, Seyed Saleh Mousavi Khaleghi, Zhijuan Su, and Yaping Dan (Shanghai Jiao Tong Univ., China)

[Mo4G-2] 17:15-17:30

Scintillation Performance Enhancement of Two Dimensional Perovskites Via Alkali Metal Doping

Francesco Maddalena (Nanyang Technological Univ., Singapore), Benoit Mahler (Univ. de Lyon, France), Marcin E. Witkowski, Michal Makowski, Winicjusz Drozdowski (Nicolaus Copernicus Univ., Poland), Christophe Dujardin (Univ. de Lyon, France), Muhammad Danang Birowosuto (Lukasiewicz Research Network, Poland), and Cuong Dang (Nanyang Technological Univ., Singapore)

[Mo4G-3] 17:30-17:45

Lossy Mode Resonance Sensor Based on the Directly Drawn D-shape Fiber

R. Kasztelanic, G. Stepniewski, A. Filipkowski, D. Pysz (Lukasiewicz – Inst. of Microelectronics and Photonics, Poland), R. Buczynski (Univ. of Warsaw, Poland), and M. Smietana (Warsaw Univ. of Tech., Poland)

[Mo4G-4] 17:45-18:00

Wide-angle Field-of-view Air-hole Metalens Based on Quadratic Phase Profile

Rong Shi and Hamza Kurt (KAIST, Korea)

[Mo4G-5] 18:00-18:15

Simultaneous Detection of Rotation Angle and Speed Using a Monolithic GaN Optoelectronic Chip

Fan Shi, Chengxiang Jiang, Li Fang, Jiabin Yan, and Yongjin Wang (Nanjing Univ. of Posts and Telecommunications, China)

[Mo4G-6]

18:15-18:30

Real-Time Foot Pressure Mapping Using a Smart Insole with Sinusoidally Embedded Fiber Bragg Gratings

Steven Binder, Thomas Anton, and Mable Fok (Univ. of Georgia, USA)