

Session Title:	[Mo2G] Photonic Device & Sensing I
Session Date:	August 5 (Mon.), 2024
Session Time:	13:30-15:00
Session Room:	Room G (116)
Session Chair(s)	Dr. Florenta Costache (Fraunhofer Inst. for Photonic Microsystems, Germany)

[Mo2G-1] [Invited] 13:30-14:00

Miniaturisation of Optical Spectrometers Enabled by Computational Algorithms

Tawfique Hasan (Univ. of Cambridge, UK)

[Mo2G-2] 14:00-14:15

Utilization of High Optoelectronic Chromatic Dispersion in Photodetectors for On-chip Wavelength Monitoring and Spectroscopy

Ayuushi Dutta, Rita Abramov (Ariel Univ., Israel), Egor Liokumovitch (PerCiv Ltd., Isarel), Ziv Glasser, and Shmuel Sternklar (Ariel Univ., Israel)

[Mo2G-3] 14:15-14:30

Specklegram Demodulation of Fiber Bragg Grating Sensor Based on Convolutional Neural Network

Haoen Cai, Juanli Li, Chang Liu, and Zhengyong Liu (Sun Yat-sen Univ., China)

[Mo2G-4] 14:30-14:45

Soft Optical Waveguide Shape Sensing Using Deep Learning

Xuechun Wang, Zilong Li, Yufei Wang, and Lei Su (Queen Mary Univ. of London, UK)

[Mo2G-5] 14:45-15:00

WGM Microbubble Cavity for Laser Power Measurement

Chunhui Ma, Bing Duan, Yong-Pan Gao, Xuan Zhang, and Daquan Yang (Beijing Univ. of Posts and Telecommunications, China)