

<b>Session Title:</b>	<b>[Mo2G] Photonic Device &amp; Sensing I</b>
<b>Session Date:</b>	<b>August 5 (Mon.), 2024</b>
<b>Session Time:</b>	<b>13:30-15:00</b>
<b>Session Room:</b>	<b>Room G (116)</b>
<b>Session Chairs</b>	<b>TBA</b>

**[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)