

Session Title:	[Mo3G] Photonic Device & Sensing II
Session Date:	August 5 (Mon.), 2024
Session Time:	15:15-16:30
Session Room:	Room G (116)
Session Chair(s)	Prof. Young Min Song (GIST, Korea)

[Mo3G-1] [Invited] 15:15-15:45

Silicon Photonic Biosensors for Label-Free Detection of Small Biomolecules

Florenta Costache, Ziyu Wang, Andreas Stoll (Fraunhofer IPMS, Germany), David Smith, Hendrik Reichelt (Fraunhofer Center FZE, Germany), Andreas Kölsch (Fraunhofer IZI, Germany), Aarya Lakshmireddy (Fraunhofer Center FZE, Germany), and Zhiqiu Lu (Fraunhofer IPMS, Germany)

[Mo3G-2] 15:45-16:00

Development and Optimisation of a Photonic Waveguide Device for Methane Detection

Z. Wang, S. McQuillan (Univ. of Southampton, UK), S. Steigenberger, E. Papadimitriou (Nat'l Oceanography Center, UK), I. Chakraborty, F. Gardes (Univ. of Southampton, UK), M. Mowlem (Nat'l Oceanography Center, UK), and R. Ismaeel (Univ. of Southampton, UK)

[Mo3G-3] 16:00-16:15

Simultaneous Measurement of Bragg Gratings' Reflection Spectra and Their Positions in Multicore Fiber using Two Photon Absorption Process in Si-APD

Shinta Tsuzuki, Ryosuke Sato, and Yosuke Tanaka (Tokyo Univ. of Agriculture and Tech., Japan)

[Mo3G-4] 16:15-16:30

Photomultiplication Narrowing in Self-filtering Organic Photodetectors

Fang-Chung Chen, Gajendra Suthar, and Chih-Wei Chu (Nat'l Yang Ming Chiao Tung Univ., Taiwan)