

Session Title:	[Mo1G] Molecular Sensing
Session Date:	August 5 (Mon.), 2024
Session Time:	10:30-12:00
Session Room:	Room G (116)
Session Chairs	TBA

[Mo1G-1] [Tutorial] 10:30-11:15

Digital Molecular Sensing and Analytics

Matthew R. Foreman (Nanyang Technological Univ., Singapore)

[Mo1G-2] 11:15-11:30

PMMA fiber-based Microbubble Laser for High-sensitive Biomolecule Detection

Sun Xiyu, Xia yuhan, Fang Guocheng, and Yu-Cheng Chen (Nanyang Technological Univ., Singapore)

[Mo1G-3] 11:30-11:45

Au-Pt Alloy Nanoislands for Localized Surface Plasmon Resonance (LSPR)-based Sensing of Bio-chemical Analytes

Wen Di Chan, Xiaotian Zhu, Sai Tak Chu, and Chi-Man Lawrence Wu (City Univ. of Hong Kong, Hong Kong)

[Mo1G-4] 11:45-12:00

Sensing Dissolved Methane Using Optical Microfiber Coupler Probe

K. Barnfather, T. Lee (Univ. of Southampton, UK), S. Steigenberger, E. Papadimitriou (Nat'l Oceanography Center, UK), M. Beresna (Univ. of Southampton, UK), T. Brotin (Univ. de Lyon, France), F. Siracusa, M. Mowlem (Nat'l Oceanography Center, UK), G. Brambilla, and R. Ismaeel (Univ. of Southampton, UK)