

Room G (Miami), 2F

Chair: Huilian Ma (Zhejiang University)

We3G

July 1 (Wed), 2026

Multi-modal Optical Technologies for Imaging and Sensing

15:00-16:30

We3G-1 Invited 15:00-15:30

Label-Free Interferometric Imaging of Neural Activity and Its Application for Optoretinography

Tong Ling^{1,2,3}

¹Nanyang Technological University, ²Singapore Eye Research Institute, ³Singapore National Eye Centre

We3G-2 15:30-15:45

High-Speed Bidirectional Illumination V Switching for Enhanced Surface Plasmon Resonance Microscopy

Inseop Byeon, Kwanhwi Ko, Hajun Yoo, Gwiyeong Moon, Donghyun Kim
Yonsei University

We3G-3 15:45-16:00

Improving THz Image Quality via SelfSupervised Noise Reduction in THz-TDS

Han-Cheol Ryu¹, Seung-Hwan Jung¹, Inhee Maeng², Seung Jae Oh²

¹Sahmyook University, ²Yonsei University College of Medicine

We3G-4 16:00-16:15

All-PM Fiber-Based FMCW-LiDAR to Measure Depolarization of the Target Surface

Jaehwan Yang, Seonghyeon Ahn, Seokju Byun, Jaeheung Kim, Chang-Seok Kim, Taejoong Eom
Pusan National University

We3G-5 16:15-16:30

Distance Analysis for Dynamic Velocity Characterization in FMCW LiDAR

Wan-Chun Lin, Cheng-Chi Hsiao, Shih-Hsiang Hsu

National Taiwan University of Science and Technology