

Room G (Miami), 2F

Chair: Yoshiyaki Yasuno (Tsukuba University)

Mo2G

June 29 (Mon), 2026

Advances in Optical Coherence Tomography

14:45-16:15

Mo2G-1

14:45-15:00

Investigation of Image-based Computational Aberration Correction in Visible-light Micro Optical Coherence Tomography

Ansel Chen¹, Shuichi Makita², Yoshiaki Yasuno², Myeong Jin Ju¹

¹University of British Columbia, ²University of Tsukuba, Tsukuba

Mo2G-2

15:00-15:15

Investigation of Physiology and Dynamics Structures of Cancer Spheroid by Dynamic OCT and Fluorescence Imaging

Rion Morishita¹, Ibrahim Abd El-Sadek^{1,2}, Atsuko Furukawa¹, Satoshi Matsusaka¹, Shuichi Makita¹, Yoshiaki Yasuno¹

¹University of Tsukuba, ²Damietta University

Mo2G-3

15:15-15:30

Ultra-High-Sensitive Microvasculature Imaging of in vivo Human Skin Using Dynamic Optical Coherence Tomography (DOCT)

Haotian Li¹, Rion Morishita¹, Cunyou Bao¹, Shadil Basheer¹, Yu Guo¹, Ibrahim Abd El-Sadek^{1,2}, Shuichi Makita¹, Yoshiaki Yasuno¹

¹University of Tsukuba, ²Damietta University

Mo2G-4

15:30-15:45

Neural-Network-Based High-Speed Multi-Contrast Dynamic Optical Coherence Tomography

Yusong Liu¹, Ibrahim Abd El-Sadek^{1,2}, Rion Morishita¹, Chettanat Padungatthakij³, Atsuko Furukawa¹, Satoshi Matsusaka¹, Yoshiaki Yasuno¹

¹University of Tsukuba, ²Damietta University, ³King Mongkut's Institute of Technology Ladkrabang

Mo2G-5

Invited

15:45-16:15

High-Speed and Long-Range Optical Coherence Tomography Imaging with a MEMS-Tunable HCG-VCSEL Light Source

Hsiang-Chieh Lee

National Taiwan University