

Room G (Miami), 2F

Chair: Hwidon Lee (Pusan national university)

We2G

July 1 (Wed), 2026

Optoacoustic and Coherent Detection Technologies

13:15-14:45

We2G-1 Invited 13:15-13:45

All-Fiber Laser via Hybrid Optical Amplifier in the NIR-III Region for Multi-Contrast Photoacoustic Microscopy

Yitian Tong¹, Huajun Tang¹, Jixiang Chen¹, Najia Sharmin¹, Jinge Wei¹, Kevin K. Tsia^{1,2}, Kenneth K.Y. Wong^{1,2}

¹The University of Hong Kong, ²Hong Kong Science Park

We2G-2 13:45-14:00

Quantum Induced-Coherence Interferometry Using a SPAD Array for High-Resolution Infrared Depth Profiling

Hyung Beom Kim^{1,2}, Tae Yeong Park^{1,2}, Myeong Soo Kang¹, Hongki Yoo¹, Hee Su Park^{1,2}

¹Korea Advanced Institute of Science and Technology, ²Korea Research Institute of Standards and Science

We2G-3 14:00-14:15

Fixed-Decoder Autoencoder for Robust Nanoscale Displacement Extraction in Optical Coherent Sensing

Md Nazmul Hussain, Ayumi Ito, Yasuhiro Okamura, Masanori Hanawa
University of Yamanashi

We2G-4 14:15-14:30

A Short-Time Fourier Transform Based Spatiotemporal Continuity Filter for Distributed Acoustic Sensing

Zhang Yuchen^{1,2}, Chen Chen², Liu Yifan³, Liu Zexi³, Gao Kan³, Wang Zhaoyong², Wei Fang², Cai Haiwen²

¹Fudan University, ²ZhangJiang Laboratory, ³Chinese Academy of Sciences

We2G-5 14:30-14:45

High Range Resolution Si SLG FMCW LiDAR with Wideband DFB LD Predistortion Using OnChip Interferometer

Shota Nawa, Mikiya Kamata, Takemasa Tamanuki, Toshihiko Baba
Yokohama National University