

Room G (Miami), 2F

Chair: Pengfei Wang (Tohoku University)

Mo1G

June 29 (Mon), 2026

Quantum Sensing and Novel Devices

13:00-14:30

Mo1G-1 Invited 13:00-13:30

Distributed Quantum Sensing with Entangled Photons

Hyang-Tag Lim^{1,2}

¹Korea Institute of Science and Technology, ²Korea University of Science and Technology

Mo1G-2 Invited 13:30-14:00

Photonic Quantum Sensing using Frequency Entangled Photons

Shigeki Takeuchi

Kyoto University

Mo1G-3 14:00-14:15

Multilevel Quantum Routing of Quantum-Classical Hybrid Packets Using All-Fiber Devices

Tae Yeong Park^{1,2}, Youn Chang Jeong³, Myeong Soo Kang², Kwang Yong Song⁴, Paul G. Kwiat⁵, Hee Su Park^{1,2,4}

¹Korea Research Institute of Standards and Science, ²Korea Advanced Institute of Science and Technology, ³The Affiliated Institute of Electronics and Telecommunications Research Institute, ⁴Chung-Ang University, ⁵University of Illinois at Urbana-Champaign

Mo1G-4 14:15-14:30

Polarization Disturbance Compensation in a Deployed Fiber Entanglement Network

Marcus J. Clark, Nicole Luc, Ruizhi Yang, Rui Wang, Dimitra Simeonidou, Siddarth K. Joshi
University of Bristol