

Session Title:	[Fr2E] Optical Metrology IV
Session Date:	August 9 (Fri.), 2024
Session Time:	10:45-12:15
Session Room:	Room E (114)
Session Chair(s)	Prof. Shinichi Watanabe (Keio Univ., Japan), Dr. In-Ho Bae (KRISS, Korea)

[Fr2E-1] [Invited] 10:45-11:15

Fourier Ptychography for Building High-Throughput, Portable and Smart Computational Microscopes

Kyungwon Lee, Kyung Chul Lee, Hyesuk Chae, Hansol Yoon, and Seung Ah Lee (Yonsei Univ., Korea)

[Fr2E-2] 11:15-11:30

Quantum Spectroscopy using 2D Spectrum of Telecom-band Frequency Entangled Photons for Real-World Fiber Network Applications

Masahiro Ishizeki, Yuki Okura, Akifumi Asahara, Ryosuke Shimizu, and Kaoru Minoshima (The Univ. of Electro-Communications, Japan)

[Fr2E-3] 11:30-11:45

10^{-15} -Level Laser Stabilization Using Fiber Delay-Based Self-Homodyne Detection

Igju Jeon, Changmin Ahn, Junyong Choi, and Jungwon Kim (KAIST, Korea)

[Fr2E-4] 11:45-12:00

Mid-infrared Frequency Comb-based Spectrometer for Molecular Spectroscopy in the 2.5-5 μm Range

Akiko Nishiyama, Grzegorz Kowzan, and Piotr Masłowski (Nicolaus Copernicus Univ. in Torun, Poland)

[Fr2E-5] 12:00-12:15

Visible Frequency Comb Generation Based on Spectral Expansion of a Frequency-referenced Er-fiber Comb

Yuta Takahashi, Takumi Yamamoto, Riku Shibata, Hajime Kumazaki, Shinichi Watanabe, and Shun Fujii (Keio Univ., Japan)