

<b>Session Title:</b>	<b>[Fr2E] Optical Metrology IV</b>
<b>Session Date:</b>	<b>August 9 (Fri.), 2024</b>
<b>Session Time:</b>	<b>10:45-12:15</b>
<b>Session Room:</b>	<b>Room E (114)</b>
<b>Session Chairs</b>	<b>Prof. Shinichi Watanabe (Keio Univ., Japan)</b>

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

TBA

TBA

**[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<sup>-15</sup>-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)