

Session Title:	[Tu2E] Optical Metrology III
Session Date:	August 6 (Tue.), 2024
Session Time:	16:00-17:30
Session Room:	Room E (114)
Session Chair(s)	Prof. Hanzhong Wu (Huazhong Univ. of Science and Tech., China), Dr. Yoonsu Jang (KRISS, Korea)

[Tu2E-1] [Invited] 16:00-16:30

Direct Measurement of Underwater Sound Velocity Based on Dual Comb System

Haihan Zhao, Xiaobo Li, Haonan Shi, Jingsheng Zhai, and Bin Xue (Tianjin Univ., China)

[Tu2E-2] 16:30-16:45

Photo-induced Surface Vibration Movie with 23,000 Frames using Dual-comb Based Asynchronous Optical Sampling System

D. Nishikawa, K. Maezawa, R. Shibata, and S. Watanabe (Keio Univ., Japan)

[Tu2E-3] 16:45-17:00

Coherent-Controllable Vis-NIR Dual-Comb Spectroscopy with a High-Power, High-Coherence Fiber Comb System

Ruichen Zhu, Haochen Tian, Takashi Kato, Akifumi Asahara, and Kaoru Minoshima (The Univ. of Electro-Communications, Japan)

[Tu2E-4] 17:00-17:15

Generation of Long-Wavelength Infrared Frequency Comb Generation Based on a Dual-comb Fiber Laser

Kousuke Kubota, Ryusei Uchiyama, Takumi Yumoto (Toho Univ., Japan), Wataru Kokuyama (Nat'l Metrology Inst. of Japan/AIST, Japan), Peter G. Schunemann (BAE Systems, USA), and Yoshiaki Nakajima (Toho Univ., Japan)

[Tu2E-5] 17:15-17:30

Measurement of Gas Temperature and Concentration Based on a Simplified Spectral Normalization Method in Dual-Comb Spectroscopy

Naoki Takeshi, Ryusei Uchiyama, Kousuke Kubota, Takumi Yumoto (Toho Univ., Japan), Yohei Sugiyama, Feng-Lei Hong (Yokohama Nat'l Univ., Japan), and Yoshiaki Nakajima (Toho Univ., Japan)