

Session Title:	[Mo3E] Dimensional Metrology I
Session Date:	August 5 (Mon.), 2024
Session Time:	15:15-16:45
Session Room:	Room E (114)
Session Chair(s)	Dr. Kisoo Kim (KOPTI, Korea), Prof. Guanhao Wu (Tsinghua Univ., China)

[Mo3E-1] [Invited] 15:15-15:45

Steps Towards Femtosecond Optical Time Transfer Between Ground and Space

Emily D. Caldwell, Fabrizio R. Giorgetta (NIST, USA), Jean-Daniel Deschenes (Octosig Consulting, Canada), Theodora Triano, William Swann, Nathan R. Newbury, and Laura C. Sinclair (NIST, USA)

[Mo3E-2] 15:45-16:00

Microcomb-Based Precise, Gigahertz Data Acquisition Rate, and Large Dynamic Range Time-of-Flight Detection

Changmin Ahn, Minji Hyun, Daewon Suk, Hansuek Lee, and Jungwon Kim (KAIST, Korea)

[Mo3E-3] 16:00-16:15

Rotational Doppler Measurement Using Wavefront-splitting Optical Vortex Interferometer

Jianing Ouyang, Dong Yang, Yanfeng Zhang, and Siyuan Yu (Sun Yat-sen Univ., China)

[Mo3E-4] 16:15-16:30

Precise Ultrasonic Ranging Using Polymer Fiber Based Time-stretched Self-coherence Detection

Yujia Li, King Shing Lo, Dongmei Huang, Chao Lu, and P. K. A. Wai (The Hong Kong Polytechnic Univ., Hong Kong S.A.R)

[Mo3E-5] 16:30-16:45

Phase Noise Characterization of Femtosecond Laser using Subspace Tracking

A. Razumov (Technical Univ. of Denmark, Denmark), P. Varming, J. Pedersen (NKT Photonics, Denmark), J. Riebesehl, H.R. Heebøll, F. Da Ros, and D. Zibar (Technical Univ. of Denmark, Denmark)