

<b>Session Title:</b>	<b>[Mo3E] Dimensional Metrology I</b>
<b>Session Date:</b>	<b>August 5 (Mon.), 2024</b>
<b>Session Time:</b>	<b>15:15-16:45</b>
<b>Session Room:</b>	<b>Room E (114)</b>
<b>Session Chairs</b>	<b>TBA</b>

**[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)