

<b>Session Title:</b>	<b>[We1E] Dimensional Metrology IV</b>
<b>Session Date:</b>	<b>August 7 (Wed.), 2024</b>
<b>Session Time:</b>	<b>09:00-10:30</b>
<b>Session Room:</b>	<b>Room E (114)</b>
<b>Session Chairs</b>	<b>Prof. Heejoo Choi (Univ. of Arizona, USA)</b>

**[We1E-1] [Invited] 09:00-09:30**

**Calibration of a Reflective-type Diffraction Scale Grating Based on the Angle of Diffraction of Diffracted Beams for Precision Positioning Technology**

Yuki Shimizu (Hokkaido Univ., Japan)

**[We1E-2] 09:30-09:45**

**One-shot Three-dimensional Measurement Based on Spectral Interferometry using a Digital Micromirror Device**

Jinxu Zhang, Liheng Shi (Tsinghua Univ., China), Yingying Gu, Donglai Zhang, Lu Yin (Beijing Inst. of Control Engineering, China Academy of Space Tech., China), and Guanhao Wu (Tsinghua Univ., China)

**[We1E-3] 09:45-10:00**

**Improvement of Measurement Precision in Comb-mode Resolved Spectral Interferometry via Programmable Line-by-line Spectral Shaping of Frequency Comb**

Yoon-Soo Jang, Sunghoon Eom, Jungjae Park, and Jonghan Jin (KRISS, Korea)

**[We1E-4] 10:00-10:15**

**Frequency-comb-referenced Multi-wavelength Interferometry for High-speed 3D Reconstruction of  $\mu$ -bumps in Heterogeneous Integration Packaging**

Jun Hyung Park, Dae Hee Kim, Jiwon Hahm, Young Ho Park, Huy Hoang Chu, Seung-Woo Kim, and Young-Jin Kim (KAIST, Korea)

**[We1E-5] 10:15-10:30**

**Distance Error Correction for Time-of-Flight Cameras with Interchangeable Lenses**

Ting-Hsu Huang, Chi-Jin Liu, and Yi-Chun Chen (Nat'l Yang Ming Chiao Tung Univ., Taiwan)