

Session Title:	51. Recent Developments in Digital Holography
Session Date:	August 22 (Fri.), 2025
Session Time:	11:00-12:20
Session Room:	Room C (217)
Session Chair(s):	Dr. Chulwoo Oh (Meta, USA) Dr. Keehoon Hong (ETRI, Korea)

[C51-1] [Invited]

11:00-11:25

Real-World Captured Hologram Video Processing Toward High Resolution Holographic Display

Kihong Choi, Daeyoul Park, and Keehoon Hong (ETRI, Korea)

[C51-2] [Invited]

11:25-11:50

Application of Volume Holographic Optical Elements in Exit Pupil Expander

Wen-Kai Lin (Feng Chia Univ., Taiwan), Yuan-Yan Liang (Nat'l Yang Ming Chiao Tung Univ., Taiwan), Wei-Chia Su (Nat'l Changhua Univ. of Education, Taiwan), Shiuan-Huei Lin (Nat'l Yang Ming Chiao Tung Univ., Taiwan), Yeh-Wei Yu, and Ching-Cherng Sun (Nat'l Central Univ., Taiwan)

[C51-3]

11:50-12:05

Optimization of Computer-Generated Hologram in Large-Scale Waveguide

Sewoon Kim (Korea Univ., Korea), Joonghee Kim (Sogang Univ., Korea), and Hwi kim (Korea Univ., Korea)

[C51-4]

12:05-12:20

High-Performance Out-of-Core Numerical Diffraction for Terabyte-Scale Computer-Generated Holography

Jaehong Lee and Duxu Kim (Korea Univ. of Tech. and Education, Korea)