

IMiD 2023

The 23rd International Meeting on Information Display
August 22-25, 2023 / BEXCO, BUSAN, KOREA

Session Title:	63. Panel & Module Design with AI & Simulation II
Session Date:	August 25 (Fri.), 2023
Session Time:	13:10-14:30
Session Room:	Room G (314~315)
Session Chair(s):	Prof. Seung-Yeol Lee (Kyungpook Nat'l Univ., Korea) Dr. Kiseok Chang (LG Display Co., Ltd., Korea)

[G63-1] [Invited] 13:10-13:35

Digital Hologram Transformation, Interpolation, and Optimization Using Light Field to Hologram Pattern Conversion

Seung-Yeol Lee (Kyungpook Nat'l Univ., Korea)

[G63-2] [Invited] 13:35-14:00

DRAFT: Illumination Modeling and AI Optimization for Displays

William Cassarly (Synopsys Inc., USA)

[G63-3] 14:00-14:15

High-Fidelity Model-Driven Deep Neural Networks for Phase-Only Computer-Generated Holography

Kexuan Liu, Jiachen Wu, Zehao He, and Liangcai Cao (Tsinghua Univ., China)

[G63-4] 14:15-14:30

Enhancement of Computer-Generated Hologram from Phase Propagation Method Using Transformer Based U-Net Architecture

F M Fahmid Hossain, Tuvshinjargal Amgalan, Shariar Md Imtiaz, Hui-Ying Wu, Md. Biddut Hossain (Chungbuk Nat'l Univ., Korea), Seok Hee Jeon (Incheon Nat'l Univ., Korea), and Nam Kim (Chungbuk Nat'l Univ., Korea)