

Session Title: 35, Light Weight Design and Wearability for AR/VR/MR

Session Date: August 21 (Thu.), 2025

Session Time: 16:00-17:30

Session Room: Room C (217)

Session Chair(s): Prof. Wen-Kai Lin (Feng Chia Univ., Taiwan)

Dr. Kihong Choi (ETRI, Korea)

[C35-1] [Invited] 16:00-16:25

Lightweight Yet Expressive: Reconciling AR-HMD Design Constraints via Beaming Displays and Miniaturized Occlusion

Yuichi Hiroi (Metaverse Lab, Cluster Inc., Japan)

[C35-2] [Invited] 16:25-16:50

Technological Development Trends of AR Glasses by Optic Structures

Jee Myung Kim and Jeong Hun Ha (LetinAR, Korea)

[C35-3] [Invited] 16:50-17:15

Our Understanding of the Current XR Market from the Perspective of a Device Manufacturer and Suggestions to Display Manufacturers

Masayuki Kozuka (Panasonic System Networks R&D Lab. Co., Ltd., Japan) and Tomonari Oogami (Panasonic Corp., Japan)

[C35-4] 17:15-17:30

Large-Scale Curved Waveguide Fourier Optics for Augmented Reality Near-Eye Display

Woorim Lee, Myeonggyu Choi, and Hwi kim (Korea Univ., Korea)