

Oral Presentation

[LCT2]LC Flat Diffractive Optics

Special Topics of Interest on AR/VR and Hyper Reality

Chair: Toshiaki Nose (Akita Prefecture University)

Co-Chair: Hiroyuki Yoshida (Osaka University)

Wed. Nov 27, 2019 3:20 PM - 4:50 PM Room 107 (1F)

3:40 PM - 4:05 PM

[LCT2-2(Invited)]Ultimate Planar Optics for AR/VR and Next Generation Displays

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Only one planar optics technology – diffractive waveplates – has shown capability to match large sizes and low-cost of Fresnel optics and the bandwidth of refractive optics. Electrically switchable and tunable with low-power controls, the thinnest lenses, prisms, and holograms make diffractive waveplate optics best suitable for AR/VR applications.