

Oral Presentation

[PRJ3]Image Quality and Display Devices

Special Topics of Interest on AR/VR and Hyper Reality

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Thu. Nov 28, 2019 5:20 PM - 6:40 PM Room 108 (1F)

5:40 PM - 6:00 PM

[PRJ3-2(Invited)]High Resolution Phase-only 4K2K LCoS Spatial Light Modulator for Holographic Display Technology

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Keywords:Liquid Crystal on Silicon (LCoS), Spatial Light Modulator (SLM), Holographic Display, 4K2K

High resolution, full phase modulation, small pixel pitch, high aperture ratio, and fast response time are the requirements to enhance the quality of holographic display by using the LCoS-SLM. In this paper, we develop a 3D floating holographic display and to increase the angle of view as 36.67 degree with high resolution phase-only 4K2K LCoS-SLM.