
Poster Presentation

[3Dp1/3DSAp1]3D and Hyper-realistic Displays and Applications 1

Thu. Nov 28, 2019 10:40 AM - 1:10 PM Main Hall (1F)

10:40 AM - 1:10 PM

[3Dp1/3DSAp1-4]Electronic Holographic Display Using MEMS-SLM with 40 Degree Viewing Zone

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Keywords:Holographic display, Computer holography, Optical microelectromechanical device

The illumination of the MEMS-SLM by short laser pulses can dramatically increase the viewing zone of holographic images without reducing the pixel pitch. We demonstrate the generation of 3D images with a viewing zone angle of 40 degrees using the DMD with a pixel pitch of 13.68 micrometers.