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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)

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10:40 AM - 1:10 PM

### [3Dp1/3DSAp1-12]Distortion Correction and Optical Reconstruction of Point-cloud Object for the Projection-type Color Holographic Display Based on HOE Screen

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Keywords:Electro-holography, Holographic optical element, Point-cloud object

By using the holographic optical element screen, an aerial-projection display of three-dimensional images can be realized up close which the scale is free. However, the projected image is distorted when an object is placed far from the hologram plane. In this study, we corrected the distortion by shift point cloud.