

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

### [3Dp1/3DSAp1-22]Displaying Live 3-D Video from a Multi-View Camera on a Layered Display

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Keywords:layered display, multi-view images, convolutional neural network, multi-view camera

We present a pipeline that displays 3D videos captured by a multi-view camera (ProFUSION25) on a layered display in real time. The layered display is a kind of light field displays. To develop this pipeline, we used a CNN that calculates a layer pattern to reduce processing time.