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

[3Dp1/3DSAp1-21]Light Field Acquisition from Focal Stack via a Deep CNN

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Keywords:Light field, Computational photography, 3D display, Convolutional neural network

We succeeded in acquiring a dense light field from a focal stack, i.e, only a few images with different focused depth, by using a deep convolutional neural network (CNN) trained for this purpose. We validated our method through both simulative and real-camera experiments.