
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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[3Dp1/3DSAp1-17]Development of Switchable LF Camera for Capturing 2D/3D Movie

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Keywords: LF camera, Polarization-dependent micro-lens array, directional view, refocusing image

We developed a fast switchable light field (LF) camera which can simultaneously capture the 2D and 3D videos based on implemented switchable polarization-dependent micro-lens array (MLA). The proposed LF camera system was demonstrated that can simultaneously capture the 2D and 3D video even in high speed driving over 1000 fps.