

---

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

### [3Dp1/3DSAp1-7]The Full Color Maxwellian-view Display Based on Holographic Optical Element

\*Shao-Kui Zhou<sup>1,2</sup>, Wen-Kai Lin<sup>1,2</sup>, Bor-Shyh Lin<sup>1</sup>, Wei-Chia Su<sup>2</sup> (1. National Chiao Tung University (Taiwan), 2. National Changhua University of Education (Taiwan))

Keywords:Maxwellian-view display, holographic optical element, full color display, wavelength multiplexing

A full color Maxwellian-view display based on HOE is proposed. The device can offer observers the information from the mask. The image quality won' t be affected when focus on different distance. The HOE with the wavelength multiplexing can reconstruct the full color backlight to get full color image.