

Oral Presentation

[LCT3]Advanced LCD Technologies

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Wed. Nov 27, 2019 5:00 PM - 6:20 PM Room 107 (1F)

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[LCT3-1]A Four-Ways Viewing Angle Controllable Display using Specify Pixel Structure and Separated Rubbing Method

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Keywords:Four-Ways, Viewing Angle, Controllable, Specify Pixel, Separated Rubbing

We present a viewing angle controllable display capable of displaying in two viewing modes, i.e. wide view mode and four-ways privacy mode. Pixel is divided into two domains of perpendicular LC orientation direction with separated rubbing method. By controlling the LC phase retardation at off-axis, viewing angle switching realized.