

Poster Presentation

[LCTp6]Hybridized Material Technologies

Thu. Nov 28, 2019 2:30 PM - 5:00 PM Main Hall (1F)

2:30 PM - 5:00 PM

[LCTp6-1]Polymer Dispersed-Liquid Crystal Displays with Low Driving Voltage

*Gi Heon Kim¹, Won-Jae Lee¹, Chi-Sun Hwang¹ (1. ETRI (Korea))

Keywords:PDLCD, Thermal-Polymerization, Driving Voltage

A nematic LC and thermal-curable mixtures were cured by thermal polymerization. We investigated their effects on the electro-optical performance and the morphology. The thermally induced polymer dispersed-liquid crystal displays showed strong scattering behavior despite low cell gap and low driving voltage ($< 20V$).