Poster Presentation

## [AMDp2]Active-Matrix Devices

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

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## [AMDp2-4]3 μ m a-Si TFT Technology for High-Performance and Cost-Effective Liquid Crystal Displays

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Keywords: Short-channel TFT, contrast ratio, transmittance, TFT-LCD

Herein, we successfully demonstrate the implement of 3 mm channel length of a-Si TFT process on 55" LCD panels, which facilitates to remarkably reduce the thickness of gate insulator and metal and the manufacture time without sacrificing the display quality, leading to the well balance between "low-cost" and "high image quality".