

Poster Presentation

## [AMDp2]Active-Matrix Devices

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

---

2:30 PM - 5:00 PM

### [AMDp2-3]Comparing Single Gate TFT to Dual Gate TFT for OLED Compensation Circuit

Kook Chul Moon<sup>1,2</sup>, \*Won-Kyu Lee<sup>3</sup>, Ji Xu<sup>1</sup>, Insun Hwang<sup>1</sup>, Junfeng Li<sup>1</sup> (1. Visionox Technology Inc. (China), 2. Gachon University (Korea), 3. Kunshan Govisionox Optoelectronics (GVO) Co. Ltd. (China))

Keywords:Single Gate, Compensation Circuit, Bias-stressed LDD

Dual gate TFT has been widely used for AMOLED pixel compensation circuit to reduce leakage current and to have good reliability. The study shows that single gate TFT has better off-state performance than dual gate TFT. Therefore, new pixel compensation circuit designed with only single gate TFTs is suggested.