

Poster Presentation

## [OLEDp1]OLED poster

Thu. Nov 28, 2019 10:40 AM - 1:10 PM Main Hall (1F)

---

10:40 AM - 1:10 PM

## [OLEDp1-8]The challenge of OLED display quality in low gray scale

\*kan cruise zhang<sup>1</sup>, peng le dang<sup>1</sup>, yi zheng<sup>1</sup>, george peng<sup>1</sup> (1. visionox technology incorporated company from Langfang in China (China))

Keywords:Sub-threshold swing , mura , color deviation, color deviation Compensation error of the pixel circuit

In this paper, two kinds of display defects under low gray scale are analyzed and we find the mechanism of the defect from the driving principle and TFT characteristics.

1. Vertical mura

2 . Color deviation

Finally, we summarize the control standards for TFT characteristics in order to meet the display quality of AMOLED at low gray scale, and introduce the temporary measures for improving the problems mentioned using display system