

Oral Presentation

## [OLED3]OLED Display

Chair: Taishi Tsuji (NIPPON STEEL Chemical &Material)

Co-Chair: Masaya Adachi (Japan Display Inc)

Wed. Nov 27, 2019 5:00 PM - 6:25 PM Room 204 (2F)

---

5:00 PM - 5:20 PM

### [OLED3-1(Invited)]Development of Long Lifetime and High Performance OLED Display with Wide Temperature Range

\*Masanobu Mizusaki<sup>1</sup>, Masakazu Shibasaki<sup>1</sup>, Yuto Tsukamoto<sup>1</sup>, Tokiyoshi Umeda<sup>1</sup>, Hiroshi Tsuchiya<sup>1</sup>, Shinji Shimada<sup>1</sup> (1. Sharp Corporation (Japan))

Keywords:OLED display, Lifetime, Hole-transport layer, High temperature, Automotive application

*We developed the long lifetime OLED display by optimizing each organic layer materials. In particular, the optimization of a hole-transport layer material improved the lifetime of the blue-OLED significantly at high temperature such as 85 ° C. The developed OLED display would be useful for automotive application.*