

---

Poster Presentation

## [FMCp5]Materials &Components

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

---

2:30 PM - 5:00 PM

### [FMCp5-5]Proposal of Novel Temperature-Independent Zero- Zero- Birefringence Polymer for Real-Color Display

Yuma Kobayashi<sup>1</sup>, \*Kohei Watanabe<sup>1</sup>, Yasuhiro Koike<sup>1,2</sup> (1. Keio University (Japan), 2. Keio Photonics Research Institute (Japan))

Keywords: Birefringence, Temperature independent of birefringence, Vehicle-mounted display, High heat resistance

In a simple binary copolymerization process, we synthesized temperature-independent zero- zero- birefringence polymer (TIZZBP) films with high heat resistance, sufficient mechanical strength and high transparency. The novel TIZZBP film will be widely used to achieve real-color images not only for vehicle-mounted displays but also flexible displays.