

Oral Presentation

## [LCT6]New LC Applications

Chair: Hideo Ichinose (Merck Performance Materials Ltd.)

Co-Chair: Fumito Araoka (RIKEN)

Fri. Nov 29, 2019 10:40 AM - 12:10 PM Mid-sized Hall A (1F)

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11:30 AM - 11:50 AM

### [LCT6-4L]Dye-doped liquid crystal light shutter fabricated by thermally-induced phase separation

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Keywords:Liquid crystal, Polymer, Light shutter, Phase separation

*A dye-doped LC/polymer light shutter fabricated with the thermally-induced phase separation (TIPS) method is demonstrated. The TIPS method does not degrade the dye during the fabrication process. The fabricated LC cell exhibits excellent optical performance, which is suitable for a light shutter with superior black color. This fabrication method can be applied for the high visibility of see-through displays.*