

Oral Presentation

## [OLED5]OLED Optical Design

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Thu. Nov 28, 2019 5:20 PM - 6:40 PM Room 204 (2F)

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6:20 PM - 6:40 PM

## [OLED5-4]Light Extraction and Viewing Angle Characteristics of Nano-structure embedded Top-emitting OLEDs fabricated by Vacuum Deposition Processes

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We fabricated the nano-structure applicable for a highly efficient and color stable TEOLED by using thermal evaporation and organic vapor phase deposition, respectively. The nano-structure integrated TEOLEDs showed efficiency increase by 12% (thermal evaporation) and 32% (OVPD), respectively. The  $\Delta(u' v')$  from normal direction to  $30^\circ$  were 0.06 and 0.03, respectively.