

# iMiD 2020

The 20th International Meeting on Information Display  
August 25 - 28, 2020 / Online Conference

**Topic Title:** 14. OLED Frontplanes

**Session Title:** 04. OLED Device Physics

[04\_14\_1742] [Invited]

**Improving OLED Performance Through Semiconductor Dilution**

Noel C. Giebink (Penn State Univ., USA)

[TBA] [Invited]

TBA

Dongdong Zhang (Tsinghua Univ., China)

[04\_14\_1765] [Invited]

**Organic and Perovskite Light-Emitting Diodes: Emission Mechanisms and Highefficiency Devices**

Dawei Di (Zhejiang Univ., China and Univ. of Cambridge, UK)

[04\_14\_1553]

**High External Quantum Efficiency (>50%) and Long Lifetime (>30,000 h) Deep Blue Organic Light-Emitting Diodes**

Won Jae Chung, Kyung Hyung Lee, Mina Jung (Sungkyunkwan Univ., Korea), Kang Mun Lee (Kangwon Nat'l Univ., Korea), Ho Cheol Park, Min-Sik Eum (Doosan Solus, Korea), and Jun Yeob Lee (Sungkyunkwan Univ., Korea)

[04\_14\_1298]

**The Study of Optical and Electrical Effect of Doped Charge Injection and Generation Layer on Single and Tandem Blue Top-Emitting Organic Light-Emitting Diodes**

Jaeyoung Park (ETRI, Korea and Hanbat Nat'l Univ., Korea), Jonghee Lee, Jae-hyun Lee (Hanbat Nat'l Univ., Korea), and Hyunsu Cho (ETRI, Korea)

[04\_14\_1294]

**The Strategy to Enhance the Lifetime of Phosphor-Sensitized OLED Device: Multiscale Simulation**

Sun Mi Choi, Sunwoo Kang, Sang Ho Jeon, Youngmi Cho, and Yongjo Kim (Samsung Display Co., Ltd., Korea)