iMiD 2021
The 21st International Meeting on Information Display
August 25-27, 2021 / COEX, Seoul, Korea

Session Title:	[FA3] Oral 28. OLED Materials 2 - (Blue)
Session Date:	August 27 (Friday), 2021
Session Time:	14:00-15:15
Session Room:	Room A (101+102)
Session Chair(s):	TBA

[FA3-1] [Featured Invited] On-line (Live Streaming) / 14:00-14:30

Highly Efficient and Stable Blue Organic Light-Emitting Diodes

Jun Yeob Lee (Sungkyunkwan Univ., Korea)

[FA3-2] [Featured Invited] On-line (Live Streaming) / 14:30-15:00

Blue Emitting Square Planar Metal Complexes for Displays and Lighting Applications

Jian Li (Arizona State Univ., USA)

[FA3-3] [Invited] On-line (Pre-recorded) / On-demand

Fluorescence Materials with Core and Side Concepts Remain to be Areas to be Further Explored: Highly Efficient Dual-Core Derivatives with EQEs of 8.38%

Jongwook Park (Kyung Hee Univ., Korea)

[FA3-4] [Merck Young Scientist Award Winner] On-line (Pre-recorded) / On-demand

Blue Organic Light-Emitting Diodes by TADF Emitters

Soon Ok Jeon (Samsung Electronics Co., Ltd., Korea)

[FA3-5] [Gold Prize of Kim Yong-Bae Award] On-line (Pre-recorded) / On-demand

Indolo[3,2,1-jk]carbazole Based Multi-Resonance Materials for Blue Fluorescent Organic Light Emitting Diodes

Ui-Geon Lee (Sungkyunkwan Univ., Korea)

[FA3-6] Off-line / 15:00-15:15

Relationship of Device Lifetime and Bond Dissociation Energy of the Organic Materials in OLEDs

Thangaraji Vasudevan, Young Jae Shim, Ji Hun Kim, Seungjun Lee, Yongsup Park, and Min Chul Suh (Kyung Hee Univ., Korea)

[FA3-7] On-line (Pre-recorded) / On-demand

High Efficiency (23%), Narrow-Emitting (21 nm) and Ultrapure Deep Blue (CIEy~0.05) Organic Light-Emitting Diodes based on a New Mechanism of Purely Spin-Vibronic Coupling Assisted Thermally Activated Delayed Fluorescence

Ha Lim Lee, Vilas Venunath Patil (Sungkyunkwan Univ., Korea), Inkoo Kim (Samsung Electronics Co., Ltd., Korea), Kyung Hyung Lee, Won Jae Chung (Sungkyunkwan Univ., Korea), Joonghyuk Kim, Sangho Park, Hyeonho Choi, Won-Joon Son, Soon Ok Jeon (Samsung Electronics Co., Ltd., Korea), and Jun Yeob Lee (Sungkyunkwan Univ., Korea)

[FA3-8] On-line (Pre-recorded) / On-demand

Phenol and Diverse Aromatic Amines Based Asymmetric Blue Multi-Resonance TADF Emitters with Narrow Emission Band

Jinho Park, Jun Seop Lim, Junyoung Moon, Jeongkyu Woo, Seung Soo Yoon, and Jun Yeob Lee (Sungkyunkwan Univ., Korea)

[FA3-9] On-line (Pre-recorded) / On-demand

A Novel Electroplex Host with Dual Triplet Exciton Up-Converting Channels for Long Lifetime Blue Phosphorescent Organic Light-Emitting Diodes

Ju Hui Yun, Jae Min Kim, Won Jae Chung, Jun Seop Lim, Jun Yeob Lee (Sungkyunkwan Univ., Korea), Yoon Kyoo Lee, and Chang Woong Chu (Samsung Display Co., Ltd., Korea)

[FA3-10] [Invited] On-line (Pre-recorded) / On-demand

Improving the Stability of Blue OLEDs with TADF Sensitized Fluorescence

Lian Duan (NTHU, China)

[FA3-11] [Invited] On-line (Pre-recorded) / On-demand

Deep-Blue OLED Material Discovery by Machine Learning Models with High Predictive Power

Matthias Budzynski, Patrick Ruoff, and Thomas Baumann (cynora, Germany)

[FA3-12] [Invited] On-line (Pre-recorded) / On-demand

Key Optical Properties of Hyperfluorescent TADF OLEDs based on the ν-DABNA Fluorescent Emitter

Andy Monkman, Kleitos Stavrou, Andrew Danos (Durham Univ., UK), Toshiki Hama, and Takuji Hatakeyama (Kwansei Gakuin Univ., Japan)

[FA3-13] [Invited] On-line (Pre-recorded) / On-demand

Tuning the Excited State of Tetradentate Pt(II) and Pd(II) Complexes through Intramolecular Hydrogen Bond

Guijie Li (Zhejiang Univ. of Tech., China)

[FA3-14] [Invited] On-line (Pre-recorded) / On-demand

Highly Efficient, Long Lasting, and Color Pure Green and Blue Devices Utilizing Shared Exciton Energy Transfer

Georgios Liaptsis, Hamed Sharifidehsari, and Henning Marciniak (Cynora GmbH, Germany)

[FA3-15] [Invited] On-line (Pre-recorded) / On-demand

Increasing OLED Stability: Plasmonic PHOLED

Nicholas J. Thompson, Michael A. Fusella, Renata Saramak, Rezlind Bushati, Haridas Mundoor, Vinod M. Menon, Michael S. Weaver, Julia J. Brown (Universal Display Corp., USA)

[FA3-16] [Invited] On-line (Pre-recorded) / On-demand

A Sensitized Way towards Stable Blue OLEDs

Dongdong Zhang (Tsinghua Univ., China)