

# IMiD 2023

The 23rd International Meeting on Information Display  
August 22-25, 2023 / BEXCO, BUSAN, KOREA

<b>Session Title:</b>	72. Optoelectronic Materials & Devices for Display
<b>Session Date:</b>	August 25 (Fri.), 2023
<b>Session Time:</b>	14:50-16:15
<b>Session Room:</b>	Room H (316~317)
<b>Session Chair(s):</b>	Prof. Jung Inn Sohn (Dongguk Univ., Korea) Prof. Bo Hou (Cardiff Univ., UK)

[H72-1] [Invited] 14:50-15:15

**Modulated White Light Emission through Ferro-Phototronic Effect**

Yuljae Cho (Shanghai Jiao Tong Univ., China)

[H72-2] 15:15-15:30

**The Ternary Solvent Engineering for Highly Efficient Inverted Perovskite Solar Cells through Controlling the Defect of Grain Boundary and Voids**

Chang Min Lee, Syed Hamad Ullah Shah, Dong Hyun Kim, Tae Wook Kim, Hyun Woo Cho, Yeong Beom Kim, Keum-Jin Ko, P. Justin Jesuraj, and Seung Yoon Ryu (Korea Univ., Korea)

[H72-3] 15:30-15:45

**Hybrid Energy Harvesting System to Improve Power Efficiency of Organic Photovoltaics in Indoor Light Sources through Triboelectric Nanogenerator**

Hyojeong Choi, Selim Han, Jooyeong Kim, Biswas Swarup (Univ. of Seoul, Korea), Dong-Wook Lee (KITECH, Korea), and Hyeok kim (Univ. of Seoul, Korea)

[H72-4] 15:45-16:00

**Enhancement of Near-Infrared Detection in IGZO-Based Phototransistor via NaYF<sub>4</sub>:Yb/Tm Core Upconversion Nanoparticles**

Jong Bin An, Kyung Tae Park, I. Sak Lee, Won-Gi Kim, Jong Hyuk Ahn, Youjin Seo, Ji Yeong Park, and Hyun Jae Kim (Yonsei Univ., Korea)

[H72-5] 16:00-16:15

**A Low Dark Current, Broad-Band Wavelength Photodetector based on CuVO<sub>2</sub> Oxide Semiconductor**

Juhyung Seo, Taehyun Park, Seungme Kang, and Hocheon Yoo (Gachon Univ., Korea)