

# IMiD 2023

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

<b>Session Title:</b>	42. Oxide TFT IV
<b>Session Date:</b>	August 25 (Fri.), 2023
<b>Session Time:</b>	09:00-10:30
<b>Session Room:</b>	Room B (214~215)
<b>Session Chair(s):</b>	Prof. Takashi Noguchi (Univ. of the Ryukyus, Japan) Prof. Hyun Suk Kim (Chungnam Nat'l Univ., Korea)

[B42-1] [Invited] 09:00-09:25

**Material Design and Strategies for Thermally Stable Oxide Semiconductor toward Three-Dimensional Integrated Device Application**

Takanori Takahashi and Yukiharu Uraoka (Nara Inst. of Science and Tech., Japan)

[B42-2] 09:25-09:40

**Indium Gallium Zinc Oxide Phototransistor with Porous Silica Layer for Visible Light Detection**

Jae Seong Han, Kyungmoon Kwak, Kyungho Park, Jong Bin An, Youjin Seo, and Hyun Jae Kim (Yonsei Univ., Korea)

[B42-3] [Invited] 09:40-10:05

**Analysis of Defect / Interface States for Oxide TFTs Utilizing HAX-PES**

Junghwan Kim, Xuejian Zhang (UNIST, Korea), Kihyung Sim (Tokyo Inst. of Tech., Japan), Hyun-woo Park (LG Display Co. Ltd., Korea), Kwun-Bum Chung (Dongguk Univ., Korea), and Hideo Hosono (Tokyo Inst. of Tech., Japan)

[B42-4] [Invited] 10:05-10:30

**All-Sputter-Deposited  $\text{Hf}_{0.5}\text{Zr}_{0.5}\text{O}_2$  Double-Gate Ferroelectric Thin-Film Transistor with Amorphous Indium-Gallium-Zinc Oxide Channel**

Soi Jeong (Inha Univ., Korea), Changhyeon Han, and Daewoong Kwon (Hanyang Univ., Korea)