

# IMiD 2023

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

<b>Session Title:</b>	<b>15. TFT Manufacturing</b>
<b>Session Date:</b>	<b>August 23 (Wed.), 2023</b>
<b>Session Time:</b>	<b>10:50-12:15</b>
<b>Session Room:</b>	<b>Room G (314~315)</b>
<b>Session Chair(s):</b>	<b>Prof. Jeong Hyun Kwon (Sunmoon Univ., Korea)</b>

[G15-1] [Invited] 10:50-11:15

**Processes and Circuit Designs for Co-Fabricated Enhancement and Depletion IGZO Thin Film Transistors**

Norbert Fruehauf, Yannick Schellander, Hanghang Li, and Florian Kleber (Univ. of Stuttgart, Germany)

[G15-2] 11:15-11:30

**Enhanced Electrical Characteristics and Stability of IGZO Using LWD Passivation Layer Deposited by EHD Jet Printing**

Young Wook Kim, Min Seong Kim, Jong Hyuk Ahn, Sujin Lee, and Hyun Jae Kim (Yonsei Univ., Korea)

[G15-3] 11:30-11:45

**High Performance  $\text{In}_2\text{O}_3$  Thin Film Transistor on Polyimide Substrate via Atmospheric Pressure Spatial ALD**

Kwang Su Yoo, Chi-Hoon Lee, Dong-Gyu Kim, and Jin-Seong Park (Hanyang Univ., Korea)

[G15-4] 11:45-12:00

**Indium-Gallium-Zinc Oxide Thin-Film Transistor with High Subthreshold Slope by Gradual UV Treatment for Driving Transistor**

Sujin Lee, Jusung Chung, Hyung Tae Kim, Jae Seong Han, and Hyun Jae Kim (Yonsei Univ., Korea)

[G15-5] 12:00-12:15

**Effect of UV/Ozone Treatment on Threshold Voltage Modulation in Sol-Gel Indium-Gallium-Zinc Oxide (IGZO) Thin-Film Transistors**

Wonsik Kim (Ajou Univ., Korea), Won-June Lee, Taehyun Kwak (GIST, Korea), Seokhyeon Baek (Ajou Univ., Korea), Seung-Hoon Lee (KRICT, Korea), and Sungjun Park (Ajou Univ., Korea)