

IMiD 2024

The 24th International Meeting on Information Display
August 20-23, 2024 / ICC Jeju, Jeju, Korea

Session Title:	51. Flexible and Stretchable TFT Devices and Circuits
Session Date:	August 23 (Fri.), 2024
Session Time:	10:40-12:05
Session Room:	Room C (Samda)
Chair(s):	Prof. Chul-Ho Lee (Seoul Nat'l Univ., Korea)

[C51-1] [Invited] 10:40-11:05

Organic Transistors for Neuromorphic Display

Huipeng Chen (Fuzhou Univ., China)

[C51-2] 11:05-11:20

Synthesis of High-k Polymer Dielectric Materials for Low-Power Organic Electronics

Junhwan Choi (Dankook Univ., Korea)

[C51-3] 11:20-11:35

Solution-Processed Rare-Metal-Free Amorphous Oxide Source-Gated Transistors via Fermi Energy Tuning Through Argon Plasma

Mark D. Ilasin, Juan Paolo S. Bermundo, Pongsakorn Sihapitak, Candell Grace P. Quino, and Yukiharu Uraoka (Nara Inst. of Science and Tech., Japan)

[C51-4] 11:35-11:50

High-Performance Amorphous Oxide Semiconductor Thin-Film Transistors Fabricated by Atomic Layer Deposition for Display Backplanes

Se-Ryong Park, Sang-Joon Park (Kwangwoon Univ., Korea), Woo-Seok Jeon (Samsung Display Co., Ltd., Korea), Jong Mu Na (JI-Tech Co., Ltd., Korea), Jun Hyung Lim (Samsung Display Co., Ltd., Korea), Sukhun Ham (JI-Tech Co., Ltd., Korea), Yung-Bin Chung (Samsung Display Co., Ltd., Korea), and Tae-Jun Ha (Kwangwoon Univ., Korea)

[C51-5] 11:50-12:05

High-k/Low-k Bilayer Gated Transistors Enhance Charge Transport of Amorphous Indium Gallium Zinc Oxide by Using Hafnia-Based Gate Dielectric

Reem Alshanbari and Ioannis Kymissis (Columbia Univ., USA)