

iMiD 2025

The 25th International Meeting on Information Display
August 19-22, 2025 / BEXCO, BUSAN, KOREA

Session Title:	03. Display Circuits and Driving Technologies
Session Date:	August 20 (Wed.), 2025
Session Time:	09:00–10:25
Session Room:	Room C (217)
Session Chair(s):	Prof. Suk-Ju Kang (Sogang Univ., Korea) Prof. Hyongsik Nam (Kyung Hee Univ., Korea)

[C03-1] [Invited]

09:00–09:25

Inter-Hierarchy Simulation for Display Performance Analysis and System Technology Co-Optimization

Yu Huang, Wei Tang, and Xiaojun Guo (Shanghai Jiao Tong Univ., China)

[C03-2]

09:25–09:40

A Robust α -IGZO TFT-Based AMOLED Pixel Circuit under VTH, Subthreshold Swing and Mobility Variations

Minji Kim, Chanjin Park, and Soo-Yeon Lee (Seoul Nat'l Univ., Korea)

[C03-3]

09:40–09:55

Improved Power Structure for Enhanced Image Quality of AMOLED Displays at Low Luminance Levels

Dong Jun Kim (Yonsei Univ. & LG Display Co., Ltd., Korea), I. Sak Lee, Hyun Kyu Lee (LG Display Co., Ltd., Korea), Jae Seong Yun, Young Wook Kim (Yonsei Univ., Korea), Se Hwan Na, Young Ju Park, Hong Soo Kim, Sang Yoon Park (LG Display Co., Ltd., Korea), and Hyun Jae Kim (Yonsei Univ., Korea)

[C03-4]

09:55–10:10

LTPO-Based Compensation-Time-Control (CTC) Pixel Circuit for High Uniformity AMOLED Variable Refresh Rate Displays

Younsik Kim, Jiwoo You, and Jaemyung Lim (Hanyang Univ., Korea)

[C03-5]

10:10–10:25

Micro Light-Emitting Diode Pixel Circuit with Fast Falling Time by Feedback Structure

Jeeho Jeong, Kook Chul Moon, and Yong-Sang Kim (Sungkyunkwan Univ., Korea)