

# IMiD 2022

The 22nd International Meeting on Information Display  
August 23-26, 2022 / BEXCO, BUSAN, KOREA

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|--------------------------|--------------------------------------------------------------------------------------------------|
| <b>Session Title:</b>    | 25. Smart Design                                                                                 |
| <b>Session Date:</b>     | August 25 (Thu.), 2022                                                                           |
| <b>Session Time:</b>     | 11:00-12:10                                                                                      |
| <b>Session Room:</b>     | Room A (211~213)                                                                                 |
| <b>Session Chair(s):</b> | Prof. Hyongsik Nam (Kyung Hee Univ., Korea)<br>Dr. Yudeok Seo (Samsung Display Co., Ltd., Korea) |

[A25-1] [Invited]

11:00-11:25

## Reinforcement Learning Based Digital Circuit Design

Hyongsik Nam, Hyeonseong Cho, Yun Jang Pyun, Ji Hoon Kim, and Yeon Hak Pyo (Kyung Hee Univ., Korea)

[A25-2]

11:25-11:40

## Unsupervised Learning and Clustering of Diffraction Spike Characteristics by under Display Camera

Dowon Yi (Samsung Display Co., Ltd., Korea)

[A25-3]

11:40-11:55

## Development of Pixel Layout Augmentation Method for AI Based Parasitic Capacitance Extraction Model

In Huh, Jaekeon Bae, Sooyoung Lee, Byeongkeun Kang, Kiseok Chang, Ilho Kim, Seokwoo Lee, Yong Min Ha, and Sooyoung Yoon (LG Display Co., Ltd., Korea)

[A25-4]

11:55-12:10

## Optimal GIP TFT Sizing with Deep Reinforcement Learning

Sooyoung Lee, Wonwoo Choi, Youn-Yeol Yu, Jaekeon Bae, In Huh, Kiseok Chang, Ilho Kim, Seokwoo Lee, Yong Min Ha, and Sooyoung Yoon (LG Display Co., Ltd., Korea)