

IMiD 2023

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

Session Title:	37. Manufacturing Application I
Session Date:	August 24 (Thu.), 2023
Session Time:	16:00-17:45
Session Room:	Room E (311~312)
Session Chair(s):	Prof. Sang Hyeon Kim (KAIST, Korea) Dr. Ja-Yeon Kim (KOPTI, Korea)

[E37-1] [Invited]

16:00-16:25

Introduction to High-Speed Visible Light Communication Using Yellow-Green and Red Micro-LEDs

Wei-Ta Huang, Tzu-Yi Lee (Nat'l Yang Ming Chiao Tung Univ., Taiwan), Wen-Chien Miao (Hon Hai Research Inst., Taiwan), Chi-Wai Chow (Nat'l Yang Ming Chiao Tung Univ., Taiwan), Chien-Chung Lin (Nat'l Taiwan Univ., Taiwan), Shu-Wei Chang, and Hao-Chung Kuo (Nat'l Yang Ming Chiao Tung Univ., Taiwan)

[E37-2]

16:25-16:40

Micro LED Total Repair Solutions for Display Application: EHD Inkjet Printing, 1-by-1 Transfer, and Functional Nano-Ink Material

Vu Dat Nguyen, Hyungdong Lee, Kwangsun Jeon, Wonil Son, Jaewoo Joung, and Doyoung Byun (ENJET Co., Ltd., Korea)

[E37-3] [Invited]

16:40-17:05

Scalable MicroLED Mass Transfer Technology Using Photonic Die Transfer

Vikram Turkani, Vahid Akhavan, Michelle Lee (PulseForge Inc., USA), Pranav P. Gavirneni, and William S. Wong (Univ. of Waterloo, Canada)

[E37-4]

17:05-17:20

Fluidic Self-Assembly of MicroLED Chips for Display Module Fabrication

C. W. Park, S. H. Noh, J. H. Kim, Y. J. Lee (Chung-Ang Univ., Korea), S. J. Lee (Kook-Min Univ., Korea), B. K. Jang (KIMM, Korea), Y. R. Do (Kook-Min Univ., Korea), and J. S. Yoo (Chung-Ang Univ., Korea)

[E37-5] [Invited]

17:20-17:45

Defect Engineering of Metal-Halide Perovskites for Next-Generation Optoelectronic Devices

Hobeom Kim (GIST, Korea)