

iMiD 2025

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

Session Title:	25. Fundamentals of QDs
Session Date:	August 21 (Thu.), 2025
Session Time:	11:00-12:35
Session Room:	Room A (211~213)
Session Chair(s):	Prof. Kunsik An (Sejong Univ., Korea)

[A25-1] [Featured Invited]

11:00-11:30

Effective Use of AI-Assisted Autonomous Reaction System for Quantum Dot

Taekhoon Kim, Jooyeon Ahn (Samsung Advanced Inst. of Tech., Korea), Ho-Gyeong Kim, So Eun Choi, Young-Seok Kim (Samsung Electronics Co., Ltd., Korea), and Tae-Gon Kim (Samsung Advanced Inst. of Tech., Korea)

[A25-2] [Invited]

11:30-11:55

Devices Analysis of QLED: Methodology and Models

Haizheng Zhong (Beijing Inst. of Tech., China)

[A25-3] [Invited]

11:55-12:20

Temperature-Dependent Energy Transfer Dynamics in $\text{InP}/\text{Mn}_x\text{Zn}_{1-x}\text{S}$ Core/Shell Quantum Dots

Eunbyeol Gi, Britney Jiang, Kaela Liu, and Jacob H. Olshansky (Amherst College, USA)

[A25-4]

12:20-12:35

Ultrahigh Current-Density Deep-Blue Light Emitting Diodes Employing Non-Toxic Continuously Graded Quantum Dots

Seongjae Kang, Seungmin Han, Ho Seok Heo, Kangtaek Lee, and Namyong Ahn (Yonsei Univ., Korea)