

imiD 2025

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

Session Title:	41. Applications of QD Optoelectronics
Session Date:	August 22 (Fri.), 2025
Session Time:	09:00–10:30
Session Room:	Room A (211~213)
Session Chair(s):	Prof. Hyunho Lee (Kwangwoon Univ., Korea) Prof. Byeong Guk Jeong (Pusan Nat'l Univ., Korea)

[A41-1] [Invited]

09:00–09:25

Interface Engineering of Colloidal PbS Quantum-Dots Optoelectronic Devices

Chanwoo Lim, Najeong Kim, Yewon Hwang (KIST, Korea), Minjae Ko (Hanyang Univ., Korea),
and Hyeonggeun Yu (KIST & Univ. of Science and Tech. & Sunkyunkwan Univ., Korea)

[A41-2] [Invited]

09:25–09:50

Unraveling the Electro-Kinetically Pumped Avalanche Multiplication for Ultrahigh-Gain Colloidal Quantum Dot Infrared Photodetector

Byeongsu Kim (Univ. of Ulsan, Korea)

[A41-3] [Invited]

09:50–10:15

Mass Production of Quantum Dots

Hunter McDaniel (UbiQD, Inc., USA)

[A41-4]

10:15–10:30

0D, 1D and 2D Quantum Dots– How Does the Dimensionality Influence Their Properties

Jan S. Niehaus, Sören Becker, and T. Jochum (Fraunhofer IAP-CAN, Germany)