

imiD 2017

August 28 - 31, 2017 / BEXCO, Busan, Korea

Session Title: 01. Quantum Dot Light-Emitting Diodes

Date: Aug. 29, 2017 (Tuesday)

Time: 09:00-10:30

Room: A (Room 201-202)

Session Chairs: Dr. Wan Ki Bae (KIST, Korea)

Prof. Jeonghun Kwak (Univ. of Seoul, Korea)

[A1-1]

09:00-09:25

[Invited] Quantum Dot Electroluminescence to Achieve Saturated Colours for REC2020 Compatibility: A Comparative Study of CdSe/ZnS and Cd Free QD Systems

Poopathy Kathirgamanathan, Seenivasagam Ravichandran, Muttulingam Kumaravel, and Nicola Bramanathan (Brunel Univ., UK)

[A1-2]

09:25-09:50

[Invited] New Generation Quantum-Dot Light-Emitting Diode Display: From Materials, Devices to Printing Fabrication

Lei Qian, Yixing Yang, Weiran Cao, Chaoyu Xiang, Xiangwei Xie, Longjia Wu, and Xiaolin Yan (TCL Corp. Research, China)

[A1-3]

09:50-10:15

[Invited] Quantum Dot Surface Engineering for Charge Transfer and Optoelectronic Devices

Sukyung Choi (ETRI, Korea), Ho Jin (Texas A&M Univ., USA), Nam Sung Cho (ETRI, Korea), and Sungjee Kim (POSTECH, Korea)

[A1-4]

10:15-10:30

[Invited] Multi-Functional Dendrimer Ligands for High Efficiency Quantum Dot Light-Emitting Diodes Using Selective Ligand Exchange Process

Ikjun Cho (Korea Univ., Korea), Jun Hyuk Chang (KIST, Korea), Jinhan Cho (Korea Univ., Korea), and Wan Ki Bae (KIST, Korea)