



Session Title	[FrA1] Optoelectronic Properties III
Date / Time	July 6 (Fri.), 2018 / 11:00-12:10
Room	Room A (#101+102)
Session Chair	TBA

FrA1-O1

11:00-11:15

Surface Engineering of Quantum Dots for Optoelectronic Devices

Sukyung Choi¹, Hyunkoo Lee¹, Nam Sung Cho¹, and Sungjee Kim²

¹ETRI, Korea, ²POSTECH, Korea

FrA1-O2

11:15-11:30

Ab Initio-Based Full-Quantum Simulations of Charge Transport in Amorphous Molecular Semiconductors

Xander de Vries¹, Andrea Massé¹, Feilong Liu¹, Franz Symalla², Pascal Friederich², Velimir Meded², Wolfgang Wenzel², Reinder Coehoorn¹, and Peter Arnold Bobbert¹

¹Eindhoven Univ. of Tech., The Netherlands, ²Karlsruhe Inst. of Tech., Germany

FrA1-O3

11:30-11:45

Improved Processability and Performance of Colloidal Quantum Dot Solar Cells

Havid Aqoma, Muhibullah Al Mubarak, Wisnu Tanty Hadmojo, and Sung-Yeon Jang
Kookmin Univ., Korea

FrA1-O4

11:45-12:00

Energy Level Tuned-InAs Quantum Dots ElectronTransport Layer Prepared Atmospheric Room-Temperature Solution Processing

Hyekyoung Choi, Jung Hoon Song, and Sohee Jeong
KIMM, Korea

FrA1-O5

12:00-12:15

Reliable Electrical Characterization and Modeling of Organic LEDs and Solar Cells with Doped Layers and Internal Interfaces

St phane Altazin¹, Sandra Jenatsch¹, Christoph Kirsch², Evelyne Knapp², Lieven Penninck¹, Alexandre Stous¹, and Beat Ruhstaller¹

¹Fluxim AG, Switzerland, ²Zurich Univ. of Applied Science, Switzerland