

제20회 한국반도체학술대회

2013년 2월 4일(월)~6일(수) / 웰리힐리파크 (구, 성우리조트)

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J. Nano-Science & Technology 분과

Room D

스카이홀 (본관, 2층)

2013년 2월 5일(화) 10:55-12:10

[TD2-J] Nanophotonics Devices and Energy Conversion Materials

좌장: 조문호(연세대학교)

[초청]

TD2-J-1 10:55-11:25 **Charge Transport in the Colloidal Quantum Dot Assemblies for the Efficient QD-LED and Solar Cell**
Kyung-Sang Cho, Dae Young Chung, Tae-Ho Kim, JiYeon Ku, Byoung Lyong Choi, and Sungwoo Hwang
Frontier Research Laboratory, Samsung Advanced Institute of Technology

[초청]

TD2-J-2 11:25-11:55 **Dielectric Nanoshells and Nanorods for Tailoring Optical Absorption**
Jerome Kartham Hyun
Department of Materials Science and Engineering, KAIST

TD2-J-3 11:55-12:10 **Single Ferroelectric-Domain Photovoltaic Switching in Lateral BiFeO₃ Cells: Internal Orders vs. Nanoionics**
Ji Ho Sung, Won-Mo Lee, Jin Hong Lee, Kanghyun Chu, Donghun Lee, Xavier Moya, Neil D. Mathur, Chan-Ho Yang, Jae-Hoon Park, and Moon-Ho Jo
Advanced Materials Science, Pohang University of Science and Technology

TD2-J-4 12:10-12:25 **Scalable Fabrication of Si Nanotubes for Li Rechargeable Battery**
Jongsoon Kim¹, Jung-Keun Yoo², Yeon Sik Jung², and Kisuk Kang¹
¹Department of Materials Science and Engineering, Seoul National University, ²Department of Materials Science and Engineering, KAIST