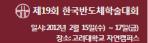
## Semiconductor for Smart Living Technologies

The 19th Korean Conference on Semiconductors



## P. Device for Energy 분과

Room B

창의관 (110)

일 시 : 2월 16일(목) 09:30-11:00 세션명 : [TB1-P] Photovoltaics

좌 장: 명재민(연세대학교), 인수강(삼성전자)

TB1-P-1 09:30-10:00

[Invited] Novel Interdigitated Front Contact Architecture to Overcome the Theoretical Efficiency Limit of Crystalline Si Solar Cells

저자: Yun Gi Kim and Hyuk Chang

소속: Energy Lab, Samsung Advanced Institute of Technology, Samsung Electronics Co., Ltd.

TB1-P-2 10:00-10:15

Nanoscale Photovoltaics in Small Band Gap Oxides

저자: Won-Mo Lee, Ji Ho Sung, Kanghyun Chu, Young-Jun Cho, Cheol-Joo Kim, C.-H. Yang, and Moon-Ho Jo

소속: Department of Materials Science and Engineering, Pohang University of Science and Technology

TB1-P-3 10:15-10:30

Development of Light Induced Degradation Free Nano Crystal Embedded Amorphous Silicon Thin Film by Neutral Beam Assisted CVD Process at Room Temperature

저자: Jin Nyoung Jang<sup>1</sup>, Dong Hyeok Lee<sup>1</sup>, Hyun Wook So<sup>1</sup>, Suk Jae Yoo<sup>2</sup>, Bonju Lee<sup>2</sup>, and MunPyo Hong<sup>1</sup>

소속: <sup>1</sup>Deprtment of Display and Semiconductor Physics, Korea University, <sup>2</sup>National Fusion Research Institute

TB1-P-4 10:30-10:45

MgO Coated TiO₂ Binding with (CdSe)ZnS Quantum Dot for High Efficiency Solar Cells

저자: M.-H. Jung<sup>1</sup>, M. G. Kang<sup>1</sup>, and Moo-Jung Chu<sup>2</sup>

소속: <sup>1</sup>Thin Film Solar Cell Technology Research Team, Electronics and Telecommunications Research Institute, <sup>2</sup>Package Research Team, Advanced Solar Technology Research Department, Convergence Components and Materials Research Laboratory, Electronics and Telecommunications Research Institute

## **Semiconductor for Smart Living Technologies**

제19회 한국반도체학술대회

The 19th Korean Conference on Semiconductors

일시: 2012년 2월 15일(수) ~ 17일(금) 장소: 고려대학교 자연캠퍼스

## TB1-P-5 10:45-11:00 마이크로 블라스터와 RIE 공정을 이용한 태양전지용 재생 웨이퍼 제작

저자: 전성찬 $^{1}$ , 오정화 $^{1}$ , 정동건 $^{1}$ , 공대영 $^{1}$ , 조찬섭 $^{2}$ , 김봉환 $^{3}$ , 이종현 $^{1}$ 

소속: 1경북대학교 전자전기컴퓨터학부,

<sup>2</sup>경북대학교 산업전자전기공학부,

<sup>3</sup>대구카톨릭대학교 전자공학과