

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)

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- 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 Jang¹, Dong Hyeok Lee¹, Hyun Wook So¹, Suk Jae Yoo², Bonju Lee², and MunPyo Hong¹
소속: ¹Deptment of Display and Semiconductor Physics, Korea University, ²National 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. Jung¹, M. G. Kang¹, and Moo-Jung Chu²
소속: ¹Thin Film Solar Cell Technology Research Team, Electronics and Telecommunications Research Institute, ²Package Research Team, Advanced Solar Technology Research Department, Convergence Components and Materials Research Laboratory, Electronics and Telecommunications Research Institute

- TB1-P-5 10:45-11:00 마이크로 블라스터와 RIE 공정을 이용한 태양전지용 재생 웨이퍼 제작
저자: 전성찬¹, 오정화¹, 정동건¹, 공대영¹, 조찬섭², 김봉환³, 이종현¹
소속: ¹경북대학교 전자전기컴퓨터학부,
 ²경북대학교 산업전자전기공학부,
 ³대구카톨릭대학교 전자공학과