

The 21st Korean Conference on Semiconductors
제21회 한국반도체학술대회
February 24–26, 2014 / Hanyang University, Seoul, Korea

P. Device for Energy 분과

[TD1-P] Device for Energy I

Date	Feb. 25, 2014 (Tue.)
Place	Room D / 제1공학관 402호 (# 402, Engineering Building I)

Session Chair: 정선호 박사(KRICT), 김윤기 박사(삼성전자)

- TD1-P-1 09:30-09:45 Design of Power MOSFET Merged Poly-Silicon Zener Diode for ESD Protection**
저자: Sin Su Kyoung, Jong Min Geum, Eun Sik Jung, and Man Young Sung
소속: Department of Electrical Engineering, Korea University
- TD1-P-2 09:45-10:00 Metamaterial Enhanced Power Transfer System for Wireless Charging Applications**
저자: A. L. A. K. Ranaweera, Phu Ho Van Quang, Thuc Phi Duong, Byoung-Suk Lee, and Jong-Wook Lee
소속: Department of Electronics and Radio Engineering, Kyung Hee University
- TD1-P-3 10:00-10:15 Structural Effect of Triarylamine-Based Multiple Functioned Coadsorbents for Highly Efficient Dye-Sensitized Solar Cells**
저자: Ban-seok You¹, In-Taek Choi², Won-Seok Choi², Hwan-Kyu Kim², and Ji-Woon Yang¹
소속: ¹Department of Electronics and Information Engineering, Korea University, ²Department of Advanced Materials Chemistry, Korea University
- TD1-P-4 10:15-10:30 Performance Enhanced of Inverted Organic Solar Cells with a Ga-Doped ZnO Electron Transport Layer Prepared using a Sol-Gel Method**
저자: Hye-Jeong Park, Kyung-Sik Shin, Gyu Cheol Yoon, and Sang-Woo Kim
소속: School of Advanced Materials Science and Engineering, Sungkyunkwan University
- TD1-P-5 10:30-10:45 Effect of MoO_x and TiOX Nano-particle Layer on Lifetime Enhancement for PCDTBT:PC₇₁BM Polymer Solar Cell**
저자: Jin-Seong Park^{1,2}, Seung-Wook Baek^{1,2}, Ji-Heon Kim^{1,2}, Jae-Hyoung Shim^{1,2}, Yun-Hyuk Ko^{1,2}, Gon-Sub Lee², and Jea-Gun Park^{1,2}
소속: ¹Department of Electronics and Computer Engineering, Hanyang University, ²Advanced Semiconductor Materials and Devices Development Center, Hanyang University