

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

J. Nano-Science & Technology 분과

[WL3-J] 에너지

Date	Feb. 26, 2014 (Wed.)
Place	Room L / 제1공학관 503호 (# 503, Engineering Building I)

Session Chair: 김상우 교수(성균관대학교), 신병하 교수(KAIST)

- WL3-J-1 15:50-16:20 Heater-Less Operation of Chemoresistive Sensors Based on Thin Film Nanostructures: Extremely Low Power Consumption for Mobile Applications**
저자: Ho Won Jang
소속: Department of Materials Science and Engineering, Seoul National University
- WL3-J-2 16:20-16:35 The Study of Thermoelectric Properties in n- and p-Type Silicon Nanowire Thermoelectric Devices**
저자: Soojung Kim^{1,2}, Hyojin Jeon^{1,2}, Wonchul Choi^{1,3}, Dongsuk Jun¹, and Moongyu Jang^{1,2}
소속: ¹Novel Materials and Devices Research center, Electronics and Telecommunications Research Institute, ²Department of Advanced Device Technology, University of Science & Technology, ³Department of Electrical Engineering, KAIST
- WL3-J-3 16:35-16:50 수직자기이방성을 갖는 MgO/Co/Pd 구조에서 열처리를 통한 계면 구조 변화가 스핀-궤도 결합에 미치는 영향**
저자: 김민석, 김상훈, 홍종일
소속: 연세대학교 공과대학 신소재공학과
- WL3-J-4 16:50-17:05 Influence of Ni and Cu Contaminants in the Colloidal Silica Slurry for Efficient Silicon Wafer Polishing**
저자: Eun-Bin Seo, Hao Cui, Jin-Hyung Park, and Jea-Gun Park
소속: Advanced Semiconductor Materials and Devices Development Center
Department of Electronic Engineering, Hanyang University