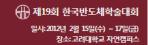
Semiconductor for Smart Living Technologies

The 19th Korean Conference on Semiconductors



K. Memory (Design & Process Technology) 분과

Room B

창의관 (110)

일 시: 2월 17일(금) 13:40-15:10

세션명: [FB3-K] Resitive Switching Memories

좌 장:홍 권(하이닉스반도체), 최우영(서강대학교)

FB3-K-1 13:40-14:10 [I

[Invited] Review and Prospects of New Memory Development

저자: G. H. Koh, B. C. Kim, S. O. Park, S. W. Nam, S. Choi, G. T. Jeong, H. K. Kang, and C. Chung

소속: Semiconductor R&D Center, Semiconductor, Samsung Electronics Co., Ltd.

FB3-K-2 14:10-14:25

1D 1R Type Cross-bar Resistive Memory using TiO₂ Thin Films

저자: Gun Hwan Kim¹, Jong Ho Lee¹, Jeong Hwan Han¹, Seul Ji Song¹, Jun Yeong Seok¹, Jung Ho Yoon¹, Kyung Jean Yoon¹, Min Hwan Lee¹, Tae Joo Park², and Cheol Seong Hwang¹

소속: ¹WCU Hybrid Materials Program, Department of Materials Science and Engineering and Inter-university Semiconductor Research Center, Seoul National University, ²Department of Materials Engineering, Hanyang University

FB3-K-3 14:25-14:40

Ferroelectricity Induced Resistance Switching in PZT/PCMO/Nb:STO Epitaxial Heterostructure

저자: Sharif Md. Sadaf¹, El Mostafa Bourim³, Xinjun Liu¹, Sakeb H. Choudhury², and Hyunsang Hwang^{1,2}

소속: ¹School of Materials Science and Engineering, Gwangju Institute of Science and Technology, ²Department of Nanobio Materials and Electronics, Gwangju Institute of Science and Technology, ³Department of Physics, Gwangju Institute of Science and Technology

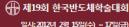
FB3-K-4 14:40-14:55

A New Read Scheme using-built in Selectivity for High-density Crosspoint Array Resistive Switching Memory Application

저자: Godeuni Choi¹, Jungho Shim¹, Euijun Cha², Jubong Park¹, and Hyungsang Hwang^{1,2}

소속: 1School of Materials Science and Engineering, Gwangju

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

Institute of Science and Technology, ²Department of Nanobio Materials and Electonics, Gwangju Institute of Science and Technology

FB3-K-5 14:55-15:10 Electrode-dependent Resistive Switching Characteristics of Maghemite Nanoparticle Assembly on Flexible Substrate

- 저자: Jae Woo Yoo¹, Quanli Hu¹, Yoon-Jae Baek², Chi Jung Kang^{1,3}, Hyun Ho Lee⁴, Do-Joong Lee⁵, Hyun-Mi Kim⁵, Ki-Bum Kim⁵, and Tae-Sik Yoon^{1,2}
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 University, ²Department of Materials Science and Engineering,
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 ⁴Department of Chemical Engineering, Myongji University,
 ⁵Department of Materials Science and Engineering, Seoul
 National University