

K. Memory (Design & Process Technology) 분과

Room B

창의관 (110)

일 시 : 2월 17일(금) 13:40-15:10

세션명 : [FB3-K] Resistive Switching Memories

좌 장 : 홍 권(하이닉스반도체), 최우영(서강대학교)

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- FB3-K-1 13:40-14:10 **[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 Cross-point 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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Materials and Electronics, 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,
Myongji University, ³Department of Physics, Myongji University,
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⁵Department of Materials Science and Engineering, Seoul
National University