K. Memory (Design & Process Technology) 분과

Room J
청옥 I (6층)

2016년 2월 23일(화) 08:30-10:30
[TJ1-K] Memory Processing and RRAM Operation
좌장 : 김수길(SK 하이닉스), 백승재(한경대학교)

TJ1-K-1 **08:30-08:45**
Reliability of Hour-Glass Shaped Filament in a Cu-based Al2O3/WO3 Conductive Bridge RAM System
Jiyong Woo and Hyunsang Hwang
Department of Materials Science and Engineering, Pohang University of Science and Technology

TJ1-K-2 **08:45-09:15**
[초청] ALD Technologies and Applications in Memory Device Fabrication
Han-Jin Lim, Seok-Woo Nam, Siyoung Choi, and Ho-Kyu Kang
Semiconductor R&D Center, Samsung Electronics Co. Ltd.

TJ1-K-3 **09:15-09:30**
Suppression of the Reset Breakdown Failure by using RuO_2 Electrode in HfOx-based RRAM
Jaesung Park, Jiyong Woo, Amit Prakash, Kibong Moon, Changhyuck Sung, and Hyunsang Hwang
Department of Materials and Science Engineering, Pohang University of Science and Technology

TJ1-K-4 **09:30-09:45**
Effects of N-GST Buffer Layer on Switching Characteristics of CBRAM
Seokjae Lim, Sangheon Lee, Jiyong Woo, and Hyungsang Hwang
Department of Materials and Science Engineering, Pohang University of Science and Technology

TJ1-K-5 **09:45-10:00**
Exploring Non-polar and Bipolar Resistance Switching Mechanisms from TiN/TiO_2/Al Memory
Xing Long Shao[1], Kyung Min Kim[2], Kyung Jean Yoon[1], Seul Ji Song[1], Jung Ho Yoon[1], Tae Hyung Park[1], Dae Eun Kwon[1], Young Jae Kwon[1], Hye Jin Kim[1], and Cheol Seong Hwang[1]
[1]Korea[1] Department of Materials Science and Engineering and Inter-university Semiconductor Research Center, Seoul National University,
[2]Hewlett-Packard Laboratories, Hewlett-Packard Company Palo Alto, USA

TJ1-K-6 **10:00-10:15**
Enhancement of Switching and Endurance Characteristics of ReRAM by Control of Forming Conditions
이재연, 하태정, 박우영, 김경완, 박용택, 배윤철, 김종일, 김수길
NM 공정개발그룹, R&D 부문, SK hynix Inc.

TJ1-K-7 **10:15-10:30**
Effects of Gate Bias on Reset Failure in HfO_2 based 1T1R ReRAM Cell

Changhyuck Sung, Jeonghwan Song, Sangheon Lee, and Hyunsang Hwang
Department of Materials Science and Engineering, Pohang University of Science and Technology