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

K. Memory (Design & Process Technology) 분과

[WK4-K] ReRAM Selectors, PCRAM Model, and DRAM Macro

Date Fe	Feb. 26, 2014 (Wed.)
Place R	Room K / 제1공학관 502호 (# 502, Engineering Building I)

Session Chair: 김택승 박사(SK hynix), 조우영 박사(삼성전자)

WK4-K-1	17:15-17:30	Highly Uniform, Electroforming-Free, and Self-Rectifying Resistive Memory in Pt/Ta₂O₅/HfO_{2-x}/TiN Structure 저자: Jung Ho Yoon, Seul Ji Song, II-Hyuk Yoo, Jun Yeong Seok, Kyung Jean Yoon, Tae Eun Kwon, Tae Hyung Park, and Cheol Seong Hwang 소속: Seoul National University
WK4-K-2	17:30-17:45	S-doped TiO₂ as a Selection Diode for ReRAM 저자: Dae Eun Kwon ¹ , Jong Ho Lee ² , Jung Ho Yoon ¹ , Seul Ji Song ¹ , Kyung Jean Yoon ¹ , Tae Hyung Park ¹ , Tae Joo Park ³ , and Cheol Seong Hwang ¹ 소속: ¹ Department of Materials Science and Engineering, Seoul National University, ² Department of Materials Science and Engineering, University of Pennsylvania, ³ Department of Materials Engineering, Hanyang University
WK4-K-3	17:45-18:00	Metal-Insulator-Transition in Nano Scale SmNiO₃ for Selector Application with BEOL Compatibility 저자: Saiful Haque Misha, Nusrat Tamanna, Euijun Cha, Daeseok Lee, Amit Prakash, Jiyong Woo, Jeonghwan Song, and Hyunsang Hwang 소속: Department of Materials Science and Engineering, Pohang University of Science and Technology
WK4-K-4	18:00-18:15	Modeling of Crystalline Morphology in Mixed-Phase Ge₂Sb₂Te₅ from Electrical Characterization 저자: Sanghyeon Lee, Gwihyun Kim, Seungwoo Hong, and Seung Jae Baik 소속: Department of Electrical, Electronic and Control Engineering, Hankyong National University
WK4-K-5	18:15-18:30	A 1.2-V 2T Embedded DRAM Macro in Generic Logic CMOS Technology 저자: Weijie Cheng, Baolong Zhou, Huarong Zheng, and Yeonbae Chung 소속: School of Electronics Engineering, Kyungpook National University