



# 제25회 한국반도체학술대회

The 25<sup>th</sup> Korean Conference on Semiconductors

2018년 2월 5일(월)-7일(수), 강원도 하이원리조트 컨벤션 호텔

2018년 2월 7일(수), 10:45-12:15

Room I (청옥II+III, 6층)

## K. Memory (Design & Process Technology) 분과

### [WI2-K] ReRAM II - New Technologies

좌장: 권용우 교수(홍익대학교), 손용훈 박사(삼성전자)

<p>WI2-K-1 10:45-11:15</p>	<p><b>[초청]</b> <b>Halide perovskites for Low Voltage Resistive Switching Memories</b> Ho Won Jang <i>Department of Materials Science and Engineering, Seoul National University</i></p>
<p>WI2-K-2 11:15-11:30</p>	<p><b>Thermally Stable Resistive Switching Characteristics of Te-Based Conductive-Bridge Memory by Optimizing Zr-Te Composition</b> Sangmin Lee, Seokjae Lim, Jeonghwan Song, Jaehyuk Park, and Hyunsang Hwang <i>Department of MS&amp;E, POSTECH</i></p>
<p>WI2-K-3 11:30-11:45</p>	<p><b>Fabrication of Cu Cone Structure Embedded CBRAM Array for Inducing Field Concentration Effect &amp; Material Limited Switching Effect</b> Hae Jin Kim<sup>1</sup>, Tae Hyung Park<sup>1</sup>, Young Jae Kwon<sup>1</sup>, Dae Eun Kwon<sup>1</sup>, Yu Min Kim<sup>1</sup>, Tae Jung Ha<sup>2</sup>, Soo Gil Kim<sup>2</sup>, and Cheol Seong Hwang<sup>1</sup> <i><sup>1</sup>Department of Materials Science and Engineering and Inter-University Semiconductor Research Center, Seoul National University, <sup>2</sup>SK Hynix Inc.</i></p>
<p>WI2-K-4 11:45-12:00</p>	<p><b>The Effect of Au Nanodots Geometry and Location in the Pt/Ta<sub>2</sub>O<sub>5</sub>/HfO<sub>2-x</sub>/TiN Structure</b> Young Jae Kwon, Jung Ho Yoon, Yu Min Kim, Dae Eun Kwon, Tae Hyung Park, Hae Jin Kim, Kyung Seok Woo, Tae Gyun Park, and Cheol Seong Hwang <i>Department of Materials Science and Engineering and Inter-university Semiconductor Research Center, Seoul National University</i></p>
<p>WI2-K-5 12:00-12:15</p>	<p><b>Self-Rectifying Resistive Random-Access Memory with a-Si/Si<sub>3</sub>N<sub>4</sub> Bilayer</b> Hui Tae Kwon, Won Joo Lee, Hyun-seok Choi, Daehoon Wee, Yu Jeong Park, Boram Kim, and Yoon Kim <i>Department of Nano-Energy Engineering, BK<sup>21</sup> Plus Nano-convergence Technology Division, Pusan National University</i></p>