

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

2017년 2월 14일 (화), 08:30-10:00  
Room B (토파즈, 2층)

### [TB1-K] Unconventional Approaches in Resistance Switching Memories

좌장: 손용훈(삼성전자), 강명곤(한국교통대학교)

<b>TB1-K-1</b> 08:30-08:45	<b>Improving Resistive Switching Uniformity by Embedding Au Nanodots 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, Kyung Jin Yoon, Hae Jin Kim, Xing Long Shao and Cheol Seong Hwang <i>Department of Materials Science and Engineering and Inter-university Semiconductor Research Center, Seoul National University</i>
<b>TB1-K-2</b> 08:45-09:00	<b>Investigation of Bipolar Resistive Switching Behaviors based on Solution Processed AlO<sub>x</sub> Thin Film Using Microwave Irradiation</b> Seung-Tae Kim and Won-Ju Cho <i>Department of Electronic Materials Engineering, Kwangwoon University</i>
<b>TB1-K-3</b> 09:00-09:15	<b>The Effect of Oxygen-Content in LaAlO<sub>3</sub> Layer on the Synaptic Behavior of Pt/LaAlO<sub>3</sub>/Nb:SrTiO<sub>3</sub> Memristors for Neuromorphic Applications</b> Jun Tae Jang <sup>1</sup> , Daehyun Ko <sup>1</sup> , Geumho Ahn <sup>1</sup> , Hyery Yu <sup>1</sup> , Yeon Soo Kim <sup>2</sup> , Chansoo Yoon <sup>2</sup> , Sangik Lee <sup>2</sup> , Bae Ho Park <sup>2</sup> , Sung-Jin Choi <sup>1</sup> , Dong Myong Kim <sup>1</sup> , and Dae Hwan Kim <sup>1</sup> <i><sup>1</sup>School of Electrical Engineering, Kookmin University, <sup>2</sup>Department of Physics, Konkuk University</i>
<b>TB1-K-4</b> 09:15-09:30	<b>The Influence of Oxygen-Content on the Synaptic Behavior of InGaZnO Memristors for Neuromorphic Applications</b> Geumho Ahn, Jun Tae Jang, Daehyun Ko, Hyeri Yu, Sung-Jin Choi, Dong Myong Kim, and Dae Hwan Kim <i>School of Electrical Engineering, Kookmin University</i>
<b>TB1-K-5</b> 09:30-09:45	<b>Flexible Resistive Memory Array on Plastics via Laser Lift-off</b> Seungjun Kim, Dohyun Kim, and Keon Jae Lee <i>Department of Materials Science and Engineering, KAIST</i>
<b>TB1-K-6</b> 09:45-10:00	<b>열 변성 단백질을 이용한 비휘발성 스위칭 소자</b> Sookyung Kim, Sung Kyu Jang, Sumin Jeon, and Sungjoo Lee <i>SKKU Advanced Institute of Nano Technology(SAINT), Sungkyungwan University</i>