



제 29회 한국반도체학술대회

The 29th Korean Conference on Semiconductors

2022년 1월 24일(월)~ 26일(수) | 강원도 하이원 그랜드호텔(컨벤션타워)

2022년 1월 25일(화), 10:45-12:30

Room D (사파이어 II+III, 5층)

K. Memory (Design & Process Technology) 분과

[TD2-K] RRAM I

좌장: 김윤 교수(서울시립대학교), 김성준 교수(동국대학교)

<p>TD2-K-1 10:45-11:15</p>	<p>Organic-Based Artificial Synapses for Artificial Nervous Systems Hea-Lim Park <i>Department of Materials Science and Engineering, Seoul National University of Science and Technology</i></p>
<p>TD2-K-2 11:15-11:45</p>	<p>Trap-Assisted Tunneling via Gaussian Distribution of Trap States for ReRAM Compact Model Sungyeop Jung <i>Advanced Institute of Convergence Technology, Seoul National University</i></p>
<p>TD2-K-3 11:45-12:00</p>	<p>Parylene-C 저항 변화 물질 기반의 RRAM Crossbar Array 김조은¹, 김보람¹, 권희태¹, 채동혁¹, 구민석², 박동욱¹, 김윤¹ <i>¹서울시립대학교 전자전기컴퓨터공학과, ²인천대학교 컴퓨터공학부</i></p>
<p>TD2-K-4 12:00-12:15</p>	<p>Flexible Self-rectifying Memristive 32 x 32 Crossbar Array for Wearable Neuromorphic Application Younghyun Lee, Geunyoung Kim, and Kyung Min Kim <i>Department of Materials Science and Engineering, KAIST</i></p>
<p>TD2-K-5 12:15-12:30</p>	<p>Effect of Post Annealing on Long-term and Short-term Schottky Barrier Modulations in Pd/IGZO/SiO₂/p⁺-Si Memristors Donguk Kim, SeungHun Baek, Hee Jun Lee, Tae Jun Yang, Jong-Ho Bae, Sung-Jin Choi, Dong Myong Kim, and Dae Hwan Kim <i>School of Electrical Engineering, Kookmin University</i></p>