



제 29회 한국반도체학술대회

The 29th Korean Conference on Semiconductors

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

2022년 1월 26일(수), 15:45-17:30

Room C (사파이어 I, 5층)

K. Memory (Design & Process Technology) 분과 [WC4-K] RRAM III

좌장: 김성준 교수(동국대학교), 정두석 교수(한양대학교)

<p>WC4-K-1 15:45-16:00</p>	<p>Reconfigurable Mott Physical Unclonable Function Jae Hyun In, Gwangmin Kim, and Kyung Min Kim KAIST</p>
<p>WC4-K-2 16:00-16:15</p>	<p>Evaluation of Physical Unclonable Function Performance Depending on Memristor Conduction Mechanism Jinwoo Park, Min Suk Song, Geun Ho Lee, and Hyungjin Kim Department of Electronic Engineering, Inha University</p>
<p>WC4-K-3 16:15-16:30</p>	<p>The InGaZnO 1T-1M Block for Edge Computing based on Monolithic Integration of TFT and Memristor Hyunkyu Lee, Youngjin Seo, Jingyu Park, Woo Sik Choi, Inseok Chae, Dong Myong Kim, Sung-Jin Choi, Jong-Ho Bae, Changwook Kim, and Dae Hwan Kim School of Electrical Engineering, Kookmin University</p>
<p>WC4-K-4 16:30-16:45</p>	<p>A True Random Number Generator based on A Cu_xTe_{1-x} Diffusive Memristor Jaehyun Kim, Kyung Seok Woo, Janguk Han, and Cheol Seong Hwang Department of Materials Science and Engineering and Inter-University Semiconductor Research Center, Seoul National University</p>
<p>WC4-K-5 16:45-17:00</p>	<p>Effect of Oxygen Content on Long-term and Short-term Schottky Barrier Modulations in $Pd/IGZO/SiO_2/p^+$-Si Memristors Hee Jun Lee, Donguk Kim, Tae Jun Yang, Jong-Ho Bae, Sung-Jin Choi, Dong Myong Kim, Changwook Kim, and Dae Hwan Kim School of Electrical Engineering, Kookmin University</p>
<p>WC4-K-6 17:00-17:15</p>	<p>Stochastic, Low-current Artificial Synapse for Efficient Bayesian Learning Do Hoon Kim, Woon Hyung Cheong, Hanchan Song, Jae Bum Jeon, and Kyung Min Kim KAIST</p>
<p>WC4-K-7 17:15-17:30</p>	<p>Study on the Electrical Properties and Self-oscillation of Au Nanodots Incorporated NbO_x Threshold Switching Device Woojoon Park, Gwangmin Kim, Jae Hyun In, Hakseung Rhee, Juseong Park, Youngseok Kim, and Kyung Min Kim Department of Materials Science and Engineering, KAIST</p>