



Future Normal in Semiconductor

2025-02-14(금), 15:10-17:10

좌장: 추후업데이트 예정

K. Memory (Design & Process Technology) 분과

[FA3-K] Material, Process, Structures, Modeling for Advanced Memory Applications

<p>초청 FA3-K-1 15:10-15:40</p>	<p>Flexible Synaptic Memristors for Wearable Neuro-Inspired Applications Sin-Hyung Lee Department of Intelligent Semiconductor Engineering, University of Seoul</p>
<p>FA3-K-2 15:40-15:55</p>	<p>Wafer Bonding Process와 수율 향상을 위한 계측 김해리, 최별, 안채영, 한경식, 김연수 SK hynix, R&D</p>
<p>FA3-K-3 15:55-16:10</p>	<p>Enhanced resistive switching stability in a memristor array utilizing highly polycrystalline two-dimensional material Jihoon Yang¹, Donghyun Lee¹, IL-John Jung¹, Dong-Hyeok Lim¹, Hongsik Jeong¹, Soon-Yong Kwon¹, Zonghoon Lee^{1,2}, and Aram Yoon^{1,2} ¹Department of Materials Science and Engineering and Graduate School of Semiconductor Materials and Devices Engineering, UNIST, ²CMCM, IBS</p>
<p>FA3-K-4 16:10-16:25</p>	<p>Engineering Thermal Diffusion Control in Phase Change Heterostructures for High-Performance, High-Density Phase Change Memory Jun Young Choi¹, Tae Geun Kim^{1,2}, Dong Hyun Kim², Jin Suk Oh², Jong Min Joo², Min Su Kang², and Ji Eun Park² ¹Department of Semiconductor System Engineering, Korea University, ²School of Electrical Engineering, Korea University</p>
<p>FA3-K-5 16:25-16:40</p>	<p>Limiting Active Electrode of Two-dimensional Memristor for Challenging Variance limit Sihoon Son¹, Hyunho Seok¹, Hyunbin Choi², Jinhyoung Lee³, and Taesung Kim^{1,2,3} ¹SKKU Advance Institute of Nano Technology, ²Department of Semiconductor Convergence Engineering, Sungkyunkwan University, ³Department of Mechanical Engineering, Sungkyunkwan University</p>



제 32회 한국반도체학술대회

The 32nd Korean Conference on Semiconductors

2025년 2월 12일(수)-14일(금) | 강원도 하이원리조트

Future Normal in Semiconductor

<p>FA3-K-6 16:40-16:55</p>	<p>Contact Area Size-Dependent Schottky Barrier Height of Memory Device Yoojin Seol, Hyeongyu Kim, Haecheol Hwang, Hyogyung Kim, and Kihyun Kim Department of Electronics and Information Engineering, Jeonbuk National University (JBNU)</p>
<p>FA3-K-7 16:55-17:10</p>	<p>Fully_Coupled simulation of Bipolar Filamentary Resistive Switching by Phase-field and Electrothermal Models Jinwoo Oh, Dongmyung Jung, and Yongwoo Kwon Department of Materials Science and Engineering, Hongik University</p>