



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 D (사파이어 II+III, 5층)

K. Memory (Design & Process Technology) 분과

[WD4-K] Charge Trap Flash and PRAM

좌장: 김윤 교수(서울시립대학교), 권용우 교수(홍익대학교)

<p>WD4-K-1 15:45-16:00</p>	<p>Sandwich Structure Charge Trap Memristor for Retention Secured Neuromorphic Synapse Application Geunyoung Kim, Seoil Son, and Kyung Min Kim <i>Department of Materials Science and Engineering, KAIST</i></p>
<p>WD4-K-2 16:00-16:15</p>	<p>Schottky Barrier Based Double PN Junction Synapse with SONOS Structure Yijoon Kim, Hyangwoo Kim, and Chang-Ki Baek <i>Department of Convergence IT Engineering, POSTECH</i></p>
<p>WD4-K-3 16:15-16:30</p>	<p>3차원 적층형 charge trap flash 소자의 적층 두께 제어를 통한 멀티레벨 컨덕턴스 변화 구현 Hyun-Seok Choi¹, Jun Park¹, Dong hyuk Chae¹, Minsuk Koo², and Yoon Kim¹ <i>¹Department of Electrical and Computer Engineering, University of Seoul, ²Department of Computer Science and Engineering, Incheon National University</i></p>
<p>WD4-K-4 16:30-16:45</p>	<p>Hybrid Three- and Two-Terminal Charge Trap Memristive devices for Heterosynaptic Plasticity Jae Bum Jeon, Seong-In Cho, Geunyoung Kim, and Kyung Min Kim <i>KAIST</i></p>
<p>WD4-K-5 16:45-17:00</p>	<p>스퍼터 증착 ZnTe OTS의 성능 개선을 위한 공정 및 물성 평가연구 공동호, 심건호, 백승재 <i>School of Electronic and Electrical Engineering, Hankyong National University</i></p>
<p>WD4-K-6 17:00-17:15</p>	<p>Investigation of Phase-change Synapse Architectures by Fully-coupled Electrothermal and Phase-change Simulation Ho Thi Thu Trang and Yongwoo Kwon <i>Department of Materials Science and Engineering, Hongik University</i></p>
<p>WD4-K-7 17:15-17:30</p>	<p>Impact of Doping on the Characteristics of Binary Chalcogenide Ovonic Threshold Switch for Selector Devices Su-Bong Lee^{1,2}, Yoon-Gu Lee^{1,2}, Sang-Heon Park^{1,2}, Chaebin Park^{1,2} and Jong-Souk Yeo^{1,2} <i>¹School of Integrated Technology, Yonsei University, ²Yonsei Institute of Convergence Technology, Yonsei University</i></p>