

2024년 1월 24일(수)-26일(금) | 경주화백컨벤션센터(HICO)

2024년 1월 26일(금), 15:40-17:25 Room H(202),2층

K. Memory (Design & Process Technology) 분과

[FH3-K] Ferroelectric Memory II

좌장: 김상범 교수(서울대학교), 배종호 교수(국민대학교)

	High-Performance and Disturb-Free Charge Trap Flash with
	Capacitance Boosting by Negative Capacitance
FH3-K-1	Giuk Kim, Taeho Kim, Sangho Lee, Hunbeom Shin, Lingwei Zhang, Hyojun Choi,
15:40-15:55	Yunseok Nam, Sangmok Lee, Woongjin Kim, Jihye Ock, Sujeong Lee, Hyunjun
	Kang, and Sanghun Jeon
	School of Electrical Engineering, KAIST
	Energy Efficient Computing In Memory with Metal-Ferroelectric-
	Metal-Insulator-Silicon (MFMIS) Ferroelectric FET
FH3-K-2	Giuk Kim, Sangho Lee, Hunbeom Shin, Lingwei Zhang, Hyojun Choi, Yunseok Nam,
15:55-16:10	Sangmok Lee, Woongjin Kim, Jihye Ock, Sujeong Lee, Hyunjun Kang, and Sanghun
	Jeon
	School of Electrical Engineering, KAIST
	Comparative Analysis of Polarization Switching Characteristics in
	Channel and Contact Regions of Ferroelectric InGaZnOx Thin Film
FH3-K-3	Transistor
16:10-16:25	Sejun Park, Hyojin Yang, Haesung Kim, Sanghyuk Yun, Ha Neul Lee, Dong Myong
	Kim, Dae Hwan Kim, Sung-Jin Choi, and Jong-Ho Bae
	School of Electrical Engineering, Kookmin University
	A Strategy for Controlling Imprint Field in Hafnia Ferroelectric Device
FH3-K-4	Hunbeom Shin, Junghyeon Hwang, Giuk Kim, Sangho Lee, Lingwei Zhang, Hyojun
16:25-16:40	Choi, Sujeong Lee, and Sanghun Jeon
	School of Electrical Engineering, KAIST
	Long-lifespan HfZrO4 Random-access Memory with Degradation
FH3-K-5	Suppressing Layer
16:40-16:55	Do Yeon Lee, Woon San Ko, Jun Ho Byun, So Yeon Kwon, and Ga Won Lee
	Chungnam National University
	Termination Topologies of the Split Signal Lines for High-speed V-
FH3-K-6	NAND Package Test
16:55-17:10	Ungjin Jang, Jahwan Ku, Hyucksoo Jeon, and Sehyun Seo
	Samsung Electronics Co., Ltd.

제 31회 한국반도체학술대회 The 31st Korean Conference on Semiconductors

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FH3-K-7 17:00-17:25	Voltage Summation-Based Processing-In Memory SRAM Macro with
	4-Bit Weight and 4-Bit Input Using Input-Bit Slicing Method
	Jung Nam Kim ¹ , Yong Woo Kim ¹ , Minsuk Koo ² , and Yoon Kim ¹
	¹ Department of Electrical and Computer Engineering, University of Seoul,
	² Department of Computer Science and Engineering, Incheon National University