



# 제 29회 한국반도체학술대회

The 29th Korean Conference on Semiconductors

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

2022년 1월 26일(수), 10:45-12:30

Room D (사파이어 II+III, 5층)

## K. Memory (Design & Process Technology) 분과 [WD2-K] Processing and Analysis of Emerging Memory

좌장: 정성엽 박사(차세대융합기술원), 전종욱 교수(건국대학교)

<p><b>WD2-K-1</b> 10:45-11:15</p>	<p><b>van der Waals Assembled Non-volatile Memory</b> Joonki Suh <i>Department of Materials Science and Engineering, UNIST</i></p>
<p><b>WD2-K-2</b> 11:15-11:30</p>	<p><b>The Effect of Self-heating Effect on the Lifetime of the Time-dependent Dielectric Breakdown</b> 임재원, 유창현, 전종욱 <i>Department of Electrical and Electronics Engineering, Konkuk University</i></p>
<p><b>WD2-K-3</b> 11:30-11:45</p>	<p><b>Multi-Gate BCAT Structure and Select Word-Line Driver in DRAM for Reduction of GIDL</b> Chang Young Lim, Ju Han Ryu, Young Lae Kim, and Min-Woo Kwon <i>Department of Electric Engineering, Gangneung-Wonju National University</i></p>
<p><b>WD2-K-4</b> 11:45-12:00</p>	<p><b>Hf<sub>x</sub>Al<sub>1-x</sub>O<sub>y</sub> 트랩 층을 사용한 전하 트랩 플래시 메모리 셀의 전하 Retention 특성 모델링</b> 김건웅, 백승재 <i>Department of Electrical and Electronic Engineering, Hankyong National University</i></p>
<p><b>WD2-K-5</b> 12:00-12:15</p>	<p><b>UV Light-assisted Erasing of In-Ga-Sn-O (IGTO) Thin Film Transistor with Al<sub>2</sub>O<sub>3</sub>/HfO<sub>2</sub>/Al<sub>2</sub>O<sub>3</sub> for the Flash Memory Application</b> Zeli Wang<sup>1</sup>, Hongwei Xu<sup>2</sup>, Jaekyeong Jeong<sup>2</sup>, and Changhwan Choi<sup>1</sup> <sup>1</sup><i>Division of Materials Science and Engineering, Hanyang University, </i><sup>2</sup><i>Department of Electronic Engineering, Hanyang University</i></p>
<p><b>WD2-K-6</b> 12:15-12:30</p>	<p><b>A Study on the Optimization Methodology of Steep-Switching Phase-FET and Its Application to 3nm Gate-All-Around Field Effect Transistor</b> Hanggyo Jung, Yeji Lee, Jooyoung Oh, Changhyun Yoo, and Jongwook Jeon <i>Department of Electrical and Electronics Engineering, Konkuk University</i></p>