



# 제 30회 한국반도체학술대회

The 30th Korean Conference on Semiconductors

2023년 2월 13일(월)~ 15일(수) | 강원도 하이원리조트(그랜드호텔 컨벤션타워)

2023년 2월 15일(수), 10:45-12:30

Room K (다이아몬드 I, 6층)

## F. Silicon and Group-IV Devices and Integration Technology 분과 [WK2-F] Advanced Process and Device Technology

좌장: 김경록 교수(UNIST), 이용규 마스터(삼성전자)

<p><b>WK2-F-1</b> 10:45-11:15 [초청]</p>	<p><b>Amorphous Indium Tin Oxide Transistor Enables N3XT 3D Integration of Logic and Memory</b> Jimin Kwon <i>Department of Electrical Engineering, UNIST</i></p>
<p><b>WK2-F-2</b> 11:15-11:45 [초청]</p>	<p><b>50-Year CMOS Device History and Future toward Autonomous Semiconductor Development</b> Shigenobu Maeda, Dae Han Han, Donghyun Kim, Minhong Yun, Kyung Tae Kim, Jung Soo Nam, and Jooyeok Seo <i>Foundry Business, Samsung Electronics Co., Ltd.</i></p>
<p><b>WK2-F-3</b> 11:45-12:00</p>	<p><b>28-nm Embedded Flash Process for Ultra-wideband Wireless Communication</b> Jeadong Jung, Kyongsik Yeom, Jongsung Woo, Hyunik Park, Han-Hyeong Choi, Donghwi Hwang, Minji Seo, Jaehun Lee, Hwanho Ma, Jusang Lee, Juwoon Kim, Youngcheon Jeong, Changmin Jeon, and Jong-Ho Lee <i>Foundry Business, Samsung Electronics Co., Ltd.</i></p>
<p><b>WK2-F-4</b> 12:00-12:15</p>	<p><b>Steep-switching Phase-transition FET with Ag/HfO<sub>2</sub>-Based Threshold Switching Device</b> Sanghyun Kang<sup>1</sup> and Changhwan Shin<sup>2</sup> <i><sup>1</sup>School of Electronic and Electrical Engineering, Sungkyunkwan University, <sup>2</sup>School of Electrical Engineering, Korea University</i></p>
<p><b>WK2-F-5</b> 12:15-12:30</p>	<p><b>The Influence of Single-Event-Effects on Complementary FET Based Logic Inverter and Its Electrical Characteristic</b> Jin Park, Sang Ho Lee, Geon Uk Kim, Ga Eon Kang, Jun Hyeok Heo, So Ra Jeon, and In Man Kang <i>School of Electronic and Electrical Engineering, Kyungpook National University</i></p>