



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)

WK2-F-1 10:45-11:15 [초청]	Amorphous Indium Tin Oxide Transistor Enables N3XT 3D Integration of Logic and Memory Jimin Kwon <i>Department of Electrical Engineering, UNIST</i>
WK2-F-2 11:15-11:45 [초청]	50-Year CMOS Device History and Future toward Autonomous Semiconductor Development 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>
WK2-F-3 11:45-12:00	28-nm Embedded Flash Process for Ultra-wideband Wireless Communication 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>
WK2-F-4 12:00-12:15	Steep-switching Phase-transition FET with Ag/HfO₂-Based Threshold Switching Device Sanghyun Kang ¹ and Changhwan Shin ² <i>¹School of Electronic and Electrical Engineering, Sungkyunkwan University, ²School of Electrical Engineering, Korea University</i>
WK2-F-5 12:15-12:30	The Influence of Single-Event-Effects on Complementary FET Based Logic Inverter and Its Electrical Characteristic 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>