



제 30회 한국반도체학술대회

The 30th Korean Conference on Semiconductors

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

2023년 2월 15일(수), 09:00-10:30

Room G (스페이드 II+III, 6층)

K. Memory (Design & Process Technology) 분과

[WG1-K] Ferroelectric Device

좌장: 강대웅 교수(서울대학교), 배종호 교수(국민대학교)

WG1-K-1 09:00-09:30 [초청]	Ferroelectric (Hf,Zr)O₂/Si Interface Engineering for Advanced Ferroelectric Field-Effect-Transistors Se Hyun Kim ^{1,2} , Hyun Woo Jung ^{1,2} , Kun Yang ^{1,2} , and Min Hyuk Park ^{1,2,3} ¹ Department of Materials Science and Engineering, Seoul National University, ² Inter-university Semiconductor Research Center, Seoul National University, ³ Research Institute of Advanced Materials, Seoul National University
WG1-K-2 09:30-09:45	누설전류를 최소화 하기 위한 유무기 하이브리드 강유전성 유기 박막 트랜지스터 연구 장효원 ¹ , 이용주 ^{1,2} , Biswas Swarup ¹ , 김혁 ¹ ¹ 서울시립대학교 전자전기컴퓨터공학부
WG1-K-3 09:45-10:00	Steep-Slope Non-Hysteric Ferroelectric Transistor Using Reversible Domain Wall Displacement Song-Hyeon Kuk ¹ , Seungmin Han ² , Dong Hyun Lee ³ , Bong Ho Kim ¹ , Joon-sup Shim ¹ , Min Hyuk Park ³ , Jae-Hoon Han ² , and Sang-Hyeon Kim ¹ ¹ KAIST, ² KIST, ³ Seoul National University
WG1-K-4 10:00-10:15	Ferroelectric Diode with Large On/Off Ratio and Robust Endurance by Microwave Annealing in W/IGZO/HZO/Pt Stack LaeYong Jung, Seungyeol Oh, Hojung Jang, Kyumin Lee, and Hyunsang Hwang POSTECH
WG1-K-5 10:15-10:30	Effect of Scandium Insertion into the Gate Stack of Ferroelectric Field-Effect Transistors Bong Ho Kim ¹ , Song-Hyeon Kuk ¹ , Seong Kwang Kim ¹ , Joon Pyo Kim ¹ , Yoon-Je Suh ¹ , Jaeyong Jeong ¹ , Dae-Myeong Geum ¹ , Seung-Hyub Baek ² , and Sang Hyeon Kim ¹ ¹ KAIST, ² KIST