



제 31회 한국반도체학술대회

The 31st Korean Conference on Semiconductors

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

2024년 1월 25일(목), 09:00-10:45

Room I(203), 2층

D. Thin Film Process Technology 분과

[TI1-D] Emerging Devices

좌장: 윤성민 교수(경희대학교), 이웅규 교수(숭실대학교)

TI1-D-1 09:00-09:15	Oxide Based Synaptic Transistors Implementing Multi-valued Logic Function Jung Wook Lim ^{1,2} and Min A Park ¹ ¹ ETRI, ² University of Science and Technology
TI1-D-2 09:15-09:30	Study on Threshold Switching Behavior of Oxide Thin Film Based Devices; a New Type of Selector Ju Hwan Park ¹ , Ji Young Park ¹ , Hye Rim Kim ² , Tae Jung Ha ³ , Jeong Hwan Song ³ , Soo Gil Kim ³ , Tae Joo Park ² , and Byung Joon Choi ¹ ¹ Seoul National University of Science and Technology, ² Hanyang University, ³ SK hynix
TI1-D-3 09:30-09:45	Energy Efficient Electrolytic-gated Synapse Transistors Using InGaZnO/HfO ₂ Gate Stacks with Vertical Channel Configurations Dong-Hee Kim ¹ , Young-Ha Kwon ² , Nak-Jin Seong ² , Kyu-Jeong Choi ² , Jong-Heon Yang ³ , Chi-Sun Hwang ³ , and Sung-Min Yoon ¹ ¹ Kyung Hee University, ² NCD Co., Ltd., ³ ETRI
TI1-D-5 09:45-10:00	Self-Rectifying Resistive Switching Device for 1k Crossbar Array Structure Hyun Kyu Seo, Su Yeon Lee, Se Yeon Jeong, June hyuk Lee, Min Kyung Lee, and Min Kyu Yang Intelligent Electronic Device Lab, Sahmyook University
초청발표 TI1-D-6 10:00-10:30	Atomic Layer Deposition Approaches for High-Resolution/Performance Collidal Quantum Dot Display Applications Seong-Yong Cho, Joon Yup Lee, and Eun A Kim Department of Photonics and Nanoelectronics, Hanyang University ERICA