



제 31회 한국반도체학술대회

The 31st Korean Conference on Semiconductors

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

2024년 1월 26일(금), 13:45-15:30

Room D(104), 1층

F. Silicon and Group-IV Devices and Integration Technology 분과

[FD2-F] Advanced Device Characterizations

좌장: 김명수 교수(울산과학기술원), 권지민 교수(울산과학기술원)

FD2-F-1 13:45-14:00	Multivalued Negative Differential Resistance (NDR) ZnO Channel Thin Film Transistor (TFT) Integrated with Ag/HfO ₂ Threshold Switching Device Juho Sung ¹ and Changhwan Shin ² ¹ Department of Electrical and Computer Engineering, Sungkyunkwan University, ² School of Electrical Engineering, Korea University
FD2-F-2 14:00-14:15	Investigation of Interface Trap Effect in Feedback Field Effect Transistor Hangwook Jeong, Minseon Park, Junhyeong Lee, and Min-Woo Kwon Department of Electronic Engineering, Gangneung-Wonju National University
FD2-F-3 14:15-14:30	Steep Slope Transistor with Negligible Hysteresis Achieved through Transient Negative Capacitance Sangho Lee, Giuk Kim, Hunbeom Shin, Yunseok Nam, and Sanghun Jeon School of Electrical Engineering, KAIST
FD2-F-4 14:30-14:45	Design and Characterization of a Double-Trench SiC MOSFET with Superb Current Rectification Yu Jin Kang and Seongjae Cho Department of Electronic and Electrical Engineering, Ewha Womans University
FD2-F-5 14:45-15:00	3D Analysis Methodology for Line Edge Roughness in V-NAND Structure Jaehyuk Lim ¹ and Changhwan Shin ² ¹ Department of Electrical and Computer Engineering, Sungkyunkwan University, ² School of Electrical Engineering, Korea University
FD2-F-6 15:00-15:15	Enhancement Thermal Performance of Drain-extended FinFETs for SOC Applications Yeon Sil Yang and Jang Hyun Kim Department of Intelligence Semiconductor Engineering, Ajou University



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FD2-F-7

15:15-15:30

Improved Characteristics of Ag/Ni/HfO₂-Based Threshold Switching Device

Daeyoung Chu^{1,2}, Sanghyun Kang³, and Changhwan Shin¹

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