



제 29회 한국반도체학술대회

The 29th Korean Conference on Semiconductors

2022년 1월 24일(월)~ 26일(수) | 강원도 하이원 그랜드호텔(컨벤션타워)

2022년 1월 25일(화), 09:00-10:30

Room K (다이아몬드 I, 6층)

F. Silicon and Group-IV Devices and Integration Technology 분과 [TK1-F] Novel Device Characterization

좌장: 김경록 교수(UNIST), 신창환 교수(성균관대학교)

<p>TK1-F-1 09:00-09:30</p>	<p>Self-Healing of Gate Dielectric by the Electro-Thermal Effect in MOSFETs Jun-Young Park <i>Chungbuk National University</i></p>
<p>TK1-F-2 09:30-09:45</p>	<p>Snapback Breakdown of MOSFETs Including Self-Heating Effects Siyoun Lee¹, Seong-Yeon Kim², Haesoon Oh², Jaesung Sim², and Woo Young Choi¹ ¹<i>Department of Electronic Engineering, Sogang University, ²SK Hynix</i></p>
<p>TK1-F-3 09:45-10:00</p>	<p>Temperature Dependence of SONOS Tunnel Field-Effect Transistors Jang Woo Lee, Jae Seung Woo, and Woo Young Choi <i>Department of Electronic Engineering, Sogang University</i></p>
<p>TK1-F-4 10:00-10:15</p>	<p>Design Optimization of Negative Capacitance Field-Effect Transistor (NCFET) with Hetero-Metal-Gate to Suppress the Reverse Drain-Induced Barrier Lowering Jae Yeon Park, Seungwon Go, Shinhee Kim, and Sangwan Kim <i>Department of Electrical and Computer Engineering, Ajou University</i></p>
<p>TK1-F-5 10:15-10:30</p>	<p>Experimental Observation of Negative Differential Transconductance in MOSFET + Ferroelectric Capacitor Gwon Kim, Gisu Youm, and Changhwan Shin <i>Department of Electrical and Computer Engineering, Sungkyunkwan University</i></p>