



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 B(102), 1층

H. Display and Imaging Technologies 분과

[FB2-H] Display and Imaging Technologies IV

좌장: 전우진 교수(경희대학교)

<p>FB2-H-1 13:45-14:00</p>	<p>Development of High-Performance In_2O_3-TFTs Using Atmospheric Pressure Spatial ALD toward High Throughput in Flexible Device Industry Chi-Hoon Lee, Kwang Su Yoo, Dong-Gyu Kim, and Jin-Seong Park Division of Materials Science and Engineering, Hanyang University</p>
<p>FB2-H-2 14:00-14:15</p>	<p>Improvement in Negative-Bias-Illumination-Stress Stability in Vertical TFTs Using ALD-IGZO Bilayer Channel Configuration Ji-Won Kang¹, Yeong-Ha Kwon², Nak-Jin Seong², Kyu-Jeong Choi², Chi-Sun Hwang³, Jong-Heon Yang³, and Sung-Min Yoon¹ ¹Kyung Hee University, ²NCD Co. Ltd, ³ETRI</p>
<p>FB2-H-3 14:15-14:30</p>	<p>Enhancing Performance of Delta Conductance (Delta-C) Characteristics Utilizing Heterojunction Structure for Multi-Valued Logic Application Junho Lee, Chanwoo Jeong, and Jaekyoung Jeong Department of Electronic Engineering, Hanyang University</p>
<p>FB2-H-4 14:30-14:45</p>	<p>Eco-friendly Low Operation Voltage Organic Thin Film Transistors MiRiNae Lee¹, Min Jong Lee², Swarup Biswas¹, Jae Won Shim², and Hyeok Kim¹ ¹University of Seoul, ²Korea University</p>
<p>FB2-H-5 14:45-15:00</p>	<p>Mitigating Short-channel Effects for Nanoscale IGZO Transistor by Suppressing Oxygen Diffusion into Metal Utilizing Ultrathin Dielectric Barrier Juyoung Yun¹, Hyuk Park¹, Dae-Hwan Kang^{2,3}, and Yoonyoung Chung^{1,2,3} ¹Department of Electrical Engineering, POSTECH, ²Department of Semiconductor Engineering, POSTECH, ³Center for Semiconductor Technology Convergence, POSTECH</p>
<p>FB2-H-6 15:00-15:15</p>	<p>Control of Subthreshold Gate Swing in a-IGZO Transistors through a during Plasma-Enhanced Atomic Layer Deposition Seong Hun Yoon and Jae Kyeong Jeong Department of Display Science and Engineering, Hanyang University</p>



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FB2-H-7 15:15-15:30	Reliability Analysis of SU-8 Passivation on Biocompatible Parylene-Based Flexible PBTTT Organic Thin-Film Transistor Ah-Hyun Hong and Dong-Wook Park University of Seoul
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