



Future Normal in Semiconductor

2025년 2월 14일(금), 09:00-10:45

Room N(다이아몬드 II), 6층

H. Display and Imaging Technologies 분과

O54_[FN1-H] Display and Imaging Technologies V

좌장: 최창순 박사(KIST), 김혁 교수(서울시립대)

<p>초청 FN1-H-1 09:00-09:30</p>	<p>IT OLED향 채널 결정화를 통한 고성능, 고신뢰성 산화물 TFT 소자 개발 Development of High Performance, High Reliability Oxide TFTs for IT OLED 정재경 Department of Electronics Engineering, Hanyang University</p>
<p>FN1-H-2 09:30-09:45</p>	<p>A Novel Analysis Method and Mitigation Strategy for Hot Carrier Degradation in a-IGZO Transistor Changeon Jin¹, Taewon Seo¹, and Yoonyoung Chung^{1,2,3} ¹Department of Electrical Engineering, POSTECH, ²Department of Semiconductor Engineering, POSTECH, ³Center for Semiconductor Technology Convergence, POSTECH</p>
<p>FN1-H-3 09:45-10:00</p>	<p>Contact Engineering Utilizing Ultrathin Dielectric Interlayer for Nanoscale IGZO Transistor without Short-Channel Effects Juyoung Yun¹, Dowan Kang¹, and Yoonyoung Chung^{1,2,3} ¹Department of Electrical Engineering, POSTECH, ²Department of Semiconductor Engineering, POSTECH, ³Center for Semiconductor Technology Convergence, POSTECH</p>
<p>FN1-H-4 10:00-10:15</p>	<p>Reconfigurable Logic Gate Enabled by Dual-Gating of Silicon Nanomembrane Field-Effect Transistors Changsoon Choi¹, Joonha Hwang^{1,2}, and Jong Ik Kwon^{1,3} ¹KIST, ²Korea University, ³UNIST</p>
<p>FN1-H-5 10:15-10:30</p>	<p>Study on Pixel Design Optimization for Indirect Time-of-Flight Sensor with High Demodulation Contrast and Good Depth Accuracy Jaehyung Jang, Hoon-moo Choi, Jongchae Kim, Minseok Shin, Kyung-do Kim, Hoon-sang Oh, and Chang-rock Song CIS Development, SK hynix Inc.</p>



제 32회 한국반도체학술대회

The 32nd Korean Conference on Semiconductors

2025년 2월 12일(수)-14일(금) | 강원도 하이원리조트

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FN1-H-6 10:30-10:45	<p>Demonstration of Vertically Stacked Full-Color Micro-LED Using CMOS Compatible Oxide Wafer-bonding Technology</p> <p>Hyun Soo Kim¹, Juhyuk Park¹, Woo Jin Baek¹, Dae-Myeong Geum², and SangHyeon Kim¹</p> <p>¹School of Electrical Engineering, KAIST, ²School of Electronics Engineering, Inha University</p>
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