



제 29회 한국반도체학술대회

The 29th Korean Conference on Semiconductors

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

2022년 1월 26일(수), 10:45-12:30

Room J (하트 III, 6층)

H. Display and Imaging Technologies 분과

[WJ2-H] Display Technology I

좌장: 박진성 교수(한양대학교), 임유승 교수(세종대학교)

<p>WJ2-H-1 10:45-11:15</p>	<p>Development of Digital Transformation in the Display Industry Ilho Kim, Seokwoo Lee, and Sooyoung Yoon <i>LG Display Co., Ltd.</i></p>
<p>WJ2-H-2 11:15-11:30</p>	<p>Improvement in Device Performance of Trench-Structured Vertical Thin Film Transistors with IGZO Bilayer Channel Configuration Prepared by ALD Soo Hyun Bae¹, Jong-Heon Yang², Yong-Hae Kim², Chi-Sun Hwang², Young Ha Kwon³, Nak-Jin-Seong³, Kyu-Jeong Choi³, and Sung Min Yoon¹ ¹<i>Kyung Hee University</i>, ²<i>ETRI</i>, ³<i>NCD Co., Ltd.</i></p>
<p>WJ2-H-3 11:30-11:45</p>	<p>Bending Stability Analysis of Flexible Oxide Thin Film Transistor with iCVD-Based Organic Layer Tae-Seung Jung and Sang-Hun Jeon <i>School of Electrical Engineering, KAIST</i></p>
<p>WJ2-H-4 11:45-12:00</p>	<p>Plasma-enhanced Atomic Layer Deposited Indium Oxide Film Using a New Novel Liquid DMION Indium Precursor for Thin Film Transistors Su-Hwan Choi¹, Tae Hyun Hong², Seong-Hwan Ryu², Jeong Hun Kim³, Hyun Kyung Lee³, Jang Hyeon Seok³, Jung Woo Park³, and Jin-seong Park^{1,2} ¹<i>Division of Nanoscale of Semiconductor Engineering, Hanyang University</i>, ²<i>Division of Materials Science and Engineering, Hanyang University</i>, ³<i>Thin Film Materials Team, Hansol Chemical</i></p>
<p>WJ2-H-5 12:00-12:15</p>	<p>Effects of Proton Beam Irradiation on the Active Layer Thickness of IGTO Thin Film Transistor Min-Gyu Shin, Seong-Hyun Hwang, Kie Yatsu, Dong-Ho Lee, and Hyuck-In Kwon <i>School of Electrical and Electronics Engineering, Chung-Ang University</i></p>
<p>WJ2-H-6 12:15-12:30</p>	<p>Impact of Device Geometry for Improving the Device Performance of Mesa-Shaped Vertical-Channel Thin-Film Transistors Using ALD-IGZO Channel Hyun-Min Ahn¹, Soo Hyun Bae¹, Young-Ha Kwon², Nak-Jin Seong², Kyu-Jeong Choi², Jong-Heon Yang³, Yong-Hae Kim³, Chi-Sun Hwang³, and Sung-Min Yoon¹ ¹<i>Kyung Hee University</i>, ²<i>NCD</i>, ³<i>ETRI</i></p>