



제 29회 한국반도체학술대회

The 29th Korean Conference on Semiconductors

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

2022년 1월 26일(수), 14:00-15:30

Room B (에메랄드 II+III, 5층)

D. Thin Film Process Technology 분과

[WB3-D] Thin Film Transistors

좌장: 한정환 교수(서울과학기술대학교), 전우진 교수(경희대학교)

<p>WB3-D-1 14:00-14:15</p>	<p>High-performance Amorphous Indium-gallium-zinc Oxide Thin-film Transistors with Split Active Layers Jeonghee Ko¹, Yongwoo Lee¹, Ju Won Jeon¹, Hanbin Lee¹, Dong Myong Kim¹, Dae Hwan Kim¹, Jong-Ho Bae¹, Min-Ho Kang², and Sung-Jin Choi¹ ¹School of Electrical Engineering, Kookmin University, ²Department of Nano-process, NNFC</p>
<p>WB3-D-2 14:15-14:30</p>	<p>Device Performance Enhancement in Oxide Thin-Film Transistors Using IZO/IGZO Dual-Channels Prepared by Atomic Layer Deposition Seo-Hyun Moon¹, Soo-Hyun Bae¹, Young-Ha Kwon², Nak-Jin Seong², Kyu-Jeong Choi², and Sung-Min Yoon¹ ¹Kyung Hee University, ²NCD Co., Ltd.</p>
<p>WB3-D-3 14:30-14:45</p>	<p>Study of Sub-gap States Related to Electrical Characteristics of Low-Temperature In-Ga-Sn-O Thin-Film Transistors with Al₂O₃ Gate Insulators Prepared by Plasma-Enhanced Atomic Layer Deposition Hyeong Wook Kim, Changyoung Oh, and Bo Sung Kim Korea University</p>
<p>WB3-D-4 14:45-15:00</p>	<p>Device Feasibility of Atomic-Layer Deposition Process for In-Ga-Sn-O Active Channels of High-Performance Thin-Film Transistor Applications Shin-Ho Noh¹, Hyo-Eun Kim¹, Young-Ha Kwon², Nak-Jin Seong², Kyu-Jeong Choi², and Sung-Min Yoon¹ ¹Kyung Hee University, ²NCD Co., Ltd.</p>
<p>WB3-D-5 15:00-15:15</p>	<p>Optimization of Zinc-Tin Oxide Thin-Film Transistors and its Applications to Organic and Metal Oxide Hybrid Complementary Inverter Circuits Juhung Seo and Hocheon Yoo Department of Electronic Engineering, Gachon University</p>
<p>WB3-D-6 15:15-15:30</p>	<p>Mobility and Reliability Study of Solution-Processed IGZO TFTs by Fluorine Diffusion of CYTOP Passivation according to Post-Annealing Temperature Tae Eun Ha, Jeong Hyun Ahn, Eun Kyung Jo, Hwarim Im, and Yong-Sang Kim Department of Electrical and Computer Engineering, Sungkyunkwan University</p>