



# 제 31회 한국반도체학술대회

## The 31st Korean Conference on Semiconductors

2024년 1월 24일(수)-26일(금) | 경주화백컨벤션센터(HICO)

2024년 1월 26일(금), 15:40-17:25

Room B(102), 1층

H. Display and Imaging Technologies 분과

[FB3-H] Display and Imaging Technologies V

좌장: 권혁인 교수(중앙대학교)

FB3-H-1 15:40-15:55	Partially Transparent Flexible IGZO TFT with PEDOT:PSS Gate and Parylene-C Gate Dielectric Yoojeong Ko and Dong-Wook Park University of Seoul
FB3-H-2 15:55-16:10	Extracting Bulk Trap Density of Oxide Semiconductor Thin Films Using Space Charge Limited Current Changeon Jin <sup>1</sup> , Taewon Seo <sup>1</sup> , and Yoonyoung Chung <sup>1,2,3</sup> <sup>1</sup> Department of Electrical Engineering, POSTECH, <sup>2</sup> Department of Semiconductor Engineering, POSTECH, <sup>3</sup> Center for Semiconductor Technology Convergence, POSTECH
FB3-H-3 16:10-16:25	Fabrication and Applications of a-ITZO Charge-Trapping TFTs Using Al <sub>2</sub> O <sub>3</sub> and HfO <sub>2</sub> in Memory-In-Pixel Display Technology Seoungmin Park <sup>1</sup> , Taehyeon Noh <sup>1</sup> , Youngyeong Lee <sup>2</sup> , and Younghyun Kim <sup>1</sup> <sup>1</sup> Department of Photonics and Nanoelectronics, BK21 FOUR ERICA-ACE Center, Hanyang University, <sup>2</sup> HANA Optronics, Inc.
FB3-H-4 16:25-16:40	Controllable, Large Gamut Sensitivity for Stretchable Strain Sensors With One Dimensional Single Walled Carbon Nanotubes Hyeonbin-Jo, Yujin Choi, Taeho Kang, Gyubeen Kim, and Sung Hun Jin Department of Electronic Engineering, and I-Nanofab Center, Incheon National University
FB3-H-5 16:40-16:55	Ambipolar Organic Inverter based on Non-fullerene Acceptor Seungyeon Koh, MiRiNae Lee, HwaPyeong Noh, Swarup Biswas, and Hyeok Kim School of Electrical and Computer Engineering, University of Seoul
FB3-H-6 16:55-17:10	Low-hydrogen SiO <sub>x</sub> N <sub>y</sub> Thin Film via Plasma-enhanced Atomic Layer Deposition Using a Hydrogen-free Silicon Precursor and N <sub>2</sub> Plasma : Growth Mechanism and Dielectric Properties Chae-Yeon Park <sup>1</sup> , Hae Lin Yang <sup>1</sup> , Tae-Yeon Kim <sup>1</sup> , Gi-Beom Park <sup>1</sup> , Ara Yoon <sup>1</sup> , Jongryul Park <sup>2</sup> , Taehyeong Kang <sup>2,3</sup> , Yongjoo Park <sup>3</sup> , and Jin-Seong Park <sup>1</sup> <sup>1</sup> Division of Materials Science and Engineering, Hanyang University, <sup>2</sup> SK Trichem Co., Ltd.



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FB3-H-7

17:10-17:25

Copper-Iodide Film Formation via Physical Vapor Deposition Method  
and Their Electrical Contact and Sheet Resistance Properties

Geun Lee, Da Han Lee, Tae Ho Kang, Tae Won Jin, Woo In Kim, and Sung Hun Jin

Department of Electronic Engineering, and I-Nanofab Center, Incheon National  
University