



## Future Normal in Semiconductor

2025-02-13(목), 09:00-10:45

좌장: 추후업데이트 예정

### H. Display and Imaging Technologies 분과

#### [TN1-H] Display and Imaging Technologies II

<p><b>초청</b> TN1-H-1 09:00-09:30</p>	<p><b>The Use of Shape Memory Polymers for Micro-LED Transfer</b> Junhyung Kim, Seungbeom Kim, and Seok Kim POSTECH</p>
<p>TN1-H-2 09:30-09:45</p>	<p><b>Adaptive Synaptic Phototransistor Inspired by Neuronal Excitability Regulation for High-clarity Contour Extraction</b> Jong Ik Kwon and Changsoon Choi Center for Quantum Technology, Post-silicon Semiconductor Institute, KIST</p>
<p>TN1-H-3 09:45-10:00</p>	<p><b>Impact of Intermediate Control Layer Implemented for Enhancing Device Performance of Top-Gate Thin-Film Transistor Using Sputtered In<sub>2</sub>O<sub>3</sub> Film</b> Se-Hyun Chun, Chae-Eun Oh, and Sung-Min Yoon Kyung Hee University</p>
<p>TN1-H-4 10:00-10:15</p>	<p><b>Tuning the Properties of Hybrid Organic-Inorganic Negative Transconductance Field-Effect Transistors for Advanced Electronic Applications</b> Juhyung Seo<sup>1</sup>, Seungme Kang<sup>2</sup>, and Hocheon Yoo<sup>1,2</sup> <sup>1</sup>Department of Electronic Engineering, Gachon University, <sup>2</sup>Department of Semiconductor Engineering, Gachon University</p>
<p>TN1-H-5 10:15-10:30</p>	<p><b>Hafnium Oxide Enhanced Ambipolar Single Walled Carbon Nanotube Transistors for Minimally Footprinted Neuromorphic Computing</b> Seo-Young Jo, Yun-Sung Lee, Jun-Seo Jang, Ji-Won Kim, and Sung Hun Jin Incheon National University</p>
<p>TN1-H-6 10:30-10:45</p>	<p><b>Crosstalk Characteristics in Vertical Nanowire Photodiode Array</b> Seonyoung Park, Jihun Lee, Eunseo Nam, Bongno Yun, Juwon Yun , and Kihyun Kim Department of Electronics and information Engineering, Jeonbuk National University</p>