



Future Normal in Semiconductor

2025년 2월 14일(금), 15:10-17:10

Room E(에메랄드 II+III), 5층

D. Thin Film Process Technology 분과

071_[FE3-D] TFT/Memory

좌장: 윤성민 교수(경희대학교), 전우진 교수(경희대학교)

<p>FE3-D-1 15:10-15:25</p>	<p>Composition-Dependent Threshold Voltage Variation in GeSeTe-Based Selector-Only Memory Device Young Yun Mun and Gun Hwan Kim Department of System Semiconductor Engineering, Yonsei University</p>
<p>FE3-D-2 15:25-15:40</p>	<p>Exploring TiO₂ Interlayer Impact on H_xZ_{1-x}O₂ Ferroelectric Stability and Performance in Cryogenic Memory Applications So-Yeong Park, Woon-San Ko, Do-Yeon Lee, So-Yeon Kwon, Hye-Ri Hong, Seong-Jo Jo, and Ga-Won Lee Department of Electronics Engineering, Chungnam National University</p>
<p>FE3-D-3 15:40-15:55</p>	<p>A New Structure for High-Performance Operation of Oxide and Organic Semiconductor Heterojunction Transistors: Spatially Separating Layer Sandwiched Anti-Ambipolar Transistor Youngmin Han¹ and Hocheon Yoo^{1,2} ¹Department of Semiconductor Engineering, Gachon University, ²Department of Electronic Engineering, Gachon University</p>
<p>FE3-D-4 15:55-16:10</p>	<p>Study on the Enhancement of HfO₂ Dielectric Properties Using SiCN Capping Layer Hye-Ri Hong, Woon-San Ko, Do-Yeon Lee, So-Yeon Kwon, So-Yeong Park, Seong-Jo Jo, and Ga-Won Lee Chungnam National University</p>
<p>FE3-D-5 16:10-16:25</p>	<p>Determination of Subgap DOS over the Wide Energy Range Using Multi-Wavelength Light in PEALD Cu₂O TFTs Soyeon Kim¹, Jaewook Yoo¹, Seongbin Lim¹, Hyeonjun Song¹, Hongseung Lee¹, Seohyeon Park¹, Minah Park¹, Sojin Jeong¹, Peide D. Ye², and Hagyoul Bae¹ ¹Jeonbuk National University, ²Purdue University, USA</p>



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<p>FE3-D-6 16:25-16:40</p>	<p>Multimode Operation of Light-Gated Transistors based on Millimeter-Scale Transition-Metal Dichalcogenide Grown by Chemical Vapor Deposition Wonbeom Kim¹, Somnath S. Kundale³, Hyeongtae Kim¹, Su-Yeon Cho¹, Mi Ji Kwon¹, Soobin Shim¹, and Jun Hong Park² ¹Department of Materials Engineering and Convergence Technology, Gyeongsang National University, ²Department of Materials Engineering and Convergence Technology and School of Materials Science and Engineering, Gyeongsang National University, ³Research Institute for Green Energy Convergence Technology, Gyeongsang National University</p>
<p>FE3-D-7 16:40-16:55</p>	<p>Defect-selective Platinum Nanoparticle Functionalization of 2D WS₂ by Atomic Layer Deposition for Enhancing Gas Sensing Properties Minji Kim, Inkyu Sohn, Dain Shin, Jaehyeok Kim, Tatsuya Nakazawa, Seung-min Chung and Hyungjun Kim School of Electrical and Electronic Engineering, Yonsei University</p>
<p>FE3-D-8 16:55-17:10</p>	<p>High-Performance p-Type Tin Halide Perovskite Transistor with Non-Volatile Methylammonium Chloride Hansol Park^{1,2}, Jongmin Lee^{1,2}, Cheong Beom Lee³, Kyeounghak Kim⁴, and Hui Joon Park^{1,2,5} ¹Department of Organic and Nano Engineering, Hanyang University, ²Human-Tech Convergence Program, Hanyang University, ³Department of Chemistry, Hanyang University, ⁴Department of Chemical Engineering, Hanyang University, ⁵Department of Semiconductor Engineering, Hanyang University</p>