



Future Normal in Semiconductor

2025년 2월 13일(목), 09:00-10:45

Room N(다이아몬드 II), 6층

H. Display and Imaging Technologies 분과

014_[TN1-H] Display and Imaging Technologies II

좌장: 권혁인 교수(중앙대학교), 정예환 교수(한양대학교)

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| <p>초청</p> <p>TN1-H-1</p> <p>09:00-09:30</p> | <p>The Use of Shape Memory Polymers for Micro-LED Transfer</p> <p>Junhyung Kim, Seungbeom Kim, and Seok Kim</p> <p>POSTECH</p> |
| <p>TN1-H-2</p> <p>09:30-09:45</p> | <p>Adaptive Synaptic Phototransistor Inspired by Neuronal Excitability Regulation for High-clarity Contour Extraction</p> <p>Jong Ik Kwon and Changsoon Choi</p> <p>Center for Quantum Technology, Post-silicon Semiconductor Institute, KIST</p> |
| <p>TN1-H-3</p> <p>09:45-10:00</p> | <p>Impact of Intermediate Control Layer Implemented for Enhancing Device Performance of Top-Gate Thin-Film Transistor Using Sputtered In₂O₃ Film</p> <p>Se-Hyun Chun, Chae-Eun Oh, and Sung-Min Yoon</p> <p>Kyung Hee University</p> |
| <p>TN1-H-4</p> <p>10:00-10:15</p> | <p>Tuning the Properties of Hybrid Organic-Inorganic Negative Transconductance Field-Effect Transistors for Advanced Electronic Applications</p> <p>Juhyung Seo¹, Seungme Kang², and Hocheon Yoo^{1,2}</p> <p>¹Department of Electronic Engineering, Gachon University, ²Department of Semiconductor Engineering, Gachon University</p> |
| <p>TN1-H-5</p> <p>10:15-10:30</p> | <p>Hafnium Oxide Enhanced Ambipolar Single Walled Carbon Nanotube Transistors for Minimally Footprinted Neuromorphic Computing</p> <p>Seo-young Jo¹, Yun-Sung Lee, Jang-Jun Seo, Ji-Won Kim, Nam-Gyu Sun, Kyeon-Moo Han, and Sung Hun Jin</p> <p>Incheon National University</p> |
| <p>TN1-H-6</p> <p>10:30-10:45</p> | <p>Crosstalk Characteristics in Vertical Nanowire Photodiode Array</p> <p>Seonyoung Park, Jihun Lee, Eunseo Nam, Bongno Yun, Juwon Yun, and Kihyun Kim</p> <p>Department of Electronics and information Engineering, Jeonbuk National University</p> |