



Future Normal in Semiconductor

2025-02-13(목), 09:00-10:45

좌장: 추후업데이트 예정

G. Device & Process Modeling, Simulation and Reliability 분과

[TK1-G] Device Characterization & Modeling 1

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| <p>초청 TK1-G-1 09:00-09:30</p> | <p>Multiscale Investigation for Semiconductor Process Design with Computational Science and Artificial Intelligence Byungjo Kim UNIST</p> |
| <p>TK1-G-2 09:30-09:45</p> | <p>Ballistic Transport in State-Of-The Art $\text{In}_{0.65}\text{Ga}_{0.35}\text{As}/\text{In}_{0.52}\text{Al}_{0.48}\text{As}$ Quantum-Well HEMTs at Room and Cryogenic Temperatures Seung-Woo Son, In-Geun Lee, Min-Seo Yu, Su-Min Choi, Yong-Soo Jeon, Sang-Pyeong Son, Ji-Hoon Yoo, Sang-Ki Yun, Jae-Hak Lee, and Dae-Hyun Kim School of Electronic and Electrical Engineering, Kyungpook National University</p> |
| <p>TK1-G-3 09:45-10:00</p> | <p>Design Optimization of Capacitor-Based Synaptic Cells for Efficient Analog Neural Network Training Byoungwoo Lee, Wonjae Ji, Hyejin Kim, Seungmin Han, Junyoung Choi, and Seyoung Kim Department of Material Science and Engineering, POSTECH</p> |
| <p>TK1-G-4 10:00-10:15</p> | <p>Exploring the Channel Thickness Effect on Carrier Transport Mechanism of Schottky Contacts in Ultrathin a-IGZO TFTs Hongseung Lee¹, Jaewook Yoo¹, YuJun Roh¹, Hyeonjun Song¹, Soyeon Kim¹, Seongbin Lim¹, Seohyeon Park¹, Minah Park¹, Sojin Jung¹, Jin-Ha Hwang², Kiyoung Lee², and Hagyoul Bae¹ ¹Jeonbuk National University, ²Hongik University</p> |
| <p>TK1-G-5 10:15-10:30</p> | <p>Exploring the Deuterium Annealing Effect on Persistent Photoconductivity Related to Subgap DOS in IGZO TFTs Hyeonjun Song¹, Jaewook Yoo¹, Soyeon Kim¹, Hongseung Lee¹, Seongbin Lim¹, Minah Park¹, Seohyeon Park¹, Sojin Jung¹, Yoon Kyeong Lee¹, Hagyoul Bae¹, Jun-Young Park², and Kiyoung Lee³ ¹Jeonbuk National University, ²Chungbuk National University, ³Hongik University</p> |
| <p>TK1-G-6 10:30-10:45</p> | <p>Analysis on Effect of Proton Irradiation on Schottky-Barrier a-IGZO TFTs using TCAD Simulation Eunchong Kim¹, Hyunwook Jeong¹, Yubin Choi¹, Junseong Park¹, Haesung Kim¹, Hyojin Yang¹, Sung-Jin Choi¹, Dae Hwan Kim¹, Dong Myong Kim², Sung Yun Woo³</p> |



제 32회 한국반도체학술대회

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, and Jong-Ho Bae¹

¹School of the Electronic Engineering, Kookmin University, ²Department of Advanced Technology, DGIST