



D. Thin Film Process Technology 분과

2019년 2월 14일(목), 09:00-10:30

Room F (실버홀, 5층)

[TF1-D] Thin Film Transistors

좌장: 윤성민 교수(경희대학교), 김우희 교수(전북대학교)

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| TF1-D-1 09:00-09:15 | Subgap DOS-Based Analysis on the Electrical/Mechanical Stress-Induced Degradation of Flexible IGZO TFTs Youngjin Seo, Haesun Jung, Shinyoung Park, Jun Tae Jang, Sungju Choi, Dong Myong Kim, Sung-Jin Choi, and Dae Hwan Kim <i>School of Electrical Engineering, Kookmin University</i> |
| TF1-D-2 09:15-09:30 | Nonvolatile Memory Thin-Film Transistors Using ZnO Charge-Trap Layers Controlled by Deposition Temperature on Flexible Polyimide Substrates Hyeong-Rae Kim, Hye-Won Jang, Ji-Hee Yang, and Sung-Min Yoon <i>Department of Advanced Materials Engineering for Information and Electronics, Kyung Hee University</i> |
| TF1-D-3 09:30-09:45 | Atomic Layer Deposited Quaternary In-Zn-Sn-O Thin Films for High-Performance Thin Film Transistors In-Hwan Baek ^{1,2,3} , Jung Joon Pyeon ^{1,4} , Taek-Mo Chung ⁵ , Jeong Hwan Han ⁶ , Cheol Seong Hwang ^{2,3} , and Seong Keun Kim ¹ <i>¹Center for Electronic Materials, KIST, ²Department of Materials Science and Engineering, Seoul National University, ³Inter-University Semiconductor Research Center, Seoul National University, ⁴KU-KIST Graduate School of Converging Science and Technology, Korea University, ⁵Division of Advanced Materials, KRICT, ⁶Department of Materials Science and Engineering, Seoul National University of Science and Technology</i> |
| TF1-D-4 09:45-10:00 | Hybrid Integration of Carbon Nanotube and Amorphous InGaZnO Thin-Film Transistors Yongwoo Lee ¹ , Haesun Jung ¹ , Jinsu Yoon ¹ , Jun Tae Jang ¹ , Bongsik Choi ¹ , Hyo-Jin Kim ¹ , Geon-Hwi Park ¹ , Min-Ho Kang ² , Dong Myong Kim ¹ , Dae Hwan Kim ¹ , and Sung-Jin Choi ¹ <i>¹School of Electrical Engineering, Kookmin University</i> |
| TF1-D-5 10:00-10:15 | 저온 용액 공정 ZnO/SnO₂ 박막 트랜지스터의 성능 이세형 ¹ , 이정석 ¹ , 우경완 ¹ , 김유종 ¹ , 박소영 ¹ , 이상현 ² , 이문석 ¹ <i>¹부산대학교 전기전자컴퓨터공학과, ²부산대학교 스마트융합공학과</i> |
| TF1-D-6 10:15-10:30 | Biodegradable Thin-Film Transistors on Water-Soluble Substrates for Neuroelectronics Jun-Young Jeon, Sang-Joon Park, and Tae-Jun Ha <i>Department of Electronic Materials Engineering</i> |