2025-02-13(목), 10:55-12:40
좌장: 추후업데이트 예정

C. Material Growth & Characterization 분과

[TF2-C] Characterization of Oxide Heterostructures for Advanced Applications

초청 TF2-C-1 10:55-11:25	**In-situ/Operando Analysis of Topotactic Phase Transition in Complex Oxides** Dooyong Lee Department of Physics Education, Kyungpook National University
TF2-C-2 11:25-11:40	**Spatially-Resolved Mapping of Ferroelectric Phase Transition in Two-Dimensional Halide Perovskite** Tae Hyun Jung, Yunseung Kuk, Sang Woo Lee, Sung Bin Bae, June Hee Shin, Kang Min Ok, and Sang Mo Yang Sogang University
TF2-C-3 11:40-11:55	**Advanced spectroscopic methods for probing in-gap defect states in amorphous SiNx for charge trap memory applications** Minseon Gu[1], Hanyeol Ahn[1], Moonsup Han[1], Eunjip Choi[1], Hyun Don Kim[1,2], Junghyun Beak[1,2], Hyeongjoon Lim[1,2], Jaemo Jung[1,2], Jaehyeon Park[1,2], Kyu-Myung Lee[3], Jinwoo Byun[4], Gukhyon Yon[4], Jwa Soon Kim[5], HaeJoon Hahm[5], Soobang Kim[5], Won Ja Min[5], Moon Seop Hyun[6], Yun Chang Park[6], Gyungtae Kim[6], Yongsup Park[3,7], and Young Jun Chang[1,8] [1]Department of Physics, University of Seoul, [2]Department of Smart Cities, University of Seoul, [3]Department Physics and Research Institute of Basic Sciences, Kyung Hee University, [4]Advanced Process Development Team, Semiconductor R&D Center, Samsung Samsung Electronics, [5]HB Solution, [6]NNFC, [7]Department of Information Display, Kyung Hee University, [8]Department of Intelligent Semiconductor Engineering, University of Seoul
TF2-C-4 11:55-12:10	**DFT Study on Schottky Barrier Heights in M_oS_2 with Direct and van der Waals Contacts** Hyunijn Lee[1], Jae-Hyun Lee[2], Soheil Ghods[1,2], Keun Heo[1,3], Jinuk Kwon[3], Yoon Kyeung Lee[4,5], and Taehun Lee[4,6] [1]School of Semiconductor and Chemical Engineering, Semiconductor Physics Research Center, Jeonbuk National University, [2]Department of Materials Science and Engineering and Department of Energy Systems Research, Ajou University,

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TF2-C-5 12:10-12:25	**Impact of Bulk Traps on Polarization Switching in a-In_2Se_3 Ferroelectric Semiconductor FETs by Frequency Dispersive *C-V* Characteristics** Minah Park[1], Sieun Lee[1], Jaewook Yoo[1], Seohyeon Park[1], Hongseung Lee[1], Hyeonjun Song[1], Soyeon Kim[1], Seongbin Lim[1], Sojin Jung[1], TaeWan Kim[3], Peide D. Ye[2], and Hagyoul Bae[1] [1]Jeonbuk National University, [2]Purdue University, [3]University of Seoul
TF2-C-6 12:25-12:40	**Temperature-dependent {111}-Texture Transfer to $Hf_{0.5}Zr_{0.5}O_2$ Films from (111)-textured TiN Electrode and Its Impact on Ferroelectricity** Dong Hee Han[1], Seung Yeon Kim[2], Younghwan Lee[3], Young Yong Kim[4], Woojin Jeon[2], and Min Hyuk Park[1,5] [1]Seoul National University, [2]Kyung Hee University, [3]Chonnam National University, [4]PAL, POSTECH, [5]Institute of Engineering Research, Seoul National University