C. Material Growth & Characterization 분과

2021년 1월 29일(금), 14:45–16:15 / 채널 B

[FB4-C] Oxides

좌장: 김태헌 교수 (울산대학교), 허성훈 박사 (KIST)

FB4-C-1 **14:45-15:15**	[초청] **High Infrared Transparency up to an 8-μm Wavelength of Correlated Vanadium Wadsley Conductors** Songhee Choi and Shinbuhm Lee *Department of Emerging Materials Science, DGIST*
FB4-C-2 **15:15-15:30**	**Influence of Post-Cooling Process on the Ferroelectric Properties of Lanthanum-Doped Hafnium Oxide (La:HfO_2) Thin Film** Yooncheol Shin, Boncheol Ku, Youngjun Lee, Taeheun Kim, and Changhwan Choi *Division of Materials Science & Engineering, Hanyang University*
FB4-C-3 **15:30-15:45**	**Atomistic Design of $Be_{0.25}Mg_{0.75}O$ Superlattice-like Structure as a High-$_K$ Dielectric Layer** Gyuseung Han[1,2,3], In Won Yeu[1], Kun Hee Ye[1,2,3], Seung-Cheol Lee[4], Cheol Seong Hwang[2,3], and Jung-Hae Choi[1] *[1]Center for Electronic Materials, Korea Institute of Science and Technology, [2]Department of Materials Science and Engineering, Seoul National University, [3]Inter-University Semiconductor Research Center, Seoul National University, [4]Indo-Korea Science and Technology Center, Bengaluru*
FB4-C-4 **15:45-16:00**	**Controllable Bias Field of Tensile Strained $BaTiO_3$ Epitaxial Film** Jun Han Lee[1], Nguyen Xuan Duong[2], Min-Hyoung Jung[3], Junhyung Kim[4], Ahyoung Kim[5], Gye-Hyeon Kim[6], Byeong-Gwan Cho[7], Hyun-Jae Lee[8], Daehwan Park[1], Young-Min Kim[3], Jun Hee Lee[8], Tae-Yeong Koo[7], Changhee Sohn[1,6], Sang Mo Yang[5], Kibog Park[1,4], Hu Young Jeong[9], Tae Heon Kim[2], and Yoon Seok Oh[1] *[1]Department of Physics, UNIST, [2]Department of Physics and Energy Harvest Storage Research Center (EHSRC), University of Ulsan, [3]Department of Energy Science, Sungkyunkwan University, [4]School of Electrical and Computer Engineering, UNIST, [5]Department of Physics, Sogang University, [6]School of Natural Science, UNIST, [7]Pohang Accelerator Laboratory, POSTECH, [8]School of Energy and Chemical Engineering, UNIST, [9]UNIST Central Research Facilities, UNIST*
FB4-C-5 **16:00-16:15**	**Direct Visualization of Temperature-Dependent Local Conductance Change in an Epitaxial VO_2 Film Using Conductive-Atomic Force Microscopy** Ahyoung Kim[1], Jung Hyun Park[2], Soo Yeon Lim[1], Jin-Seok Chung[2], Hyeonsik Cheong[1], Changhyun Ko[3], Jong-Gul Yoon[4], and Sang Mo Yang[1] *[1]Department of Physics, Sogang University, [2]Department of Physics, Soongsil University, [3]Department of Physics, Sookmyung Women's University, [4]Department of Physics, University of Suwon*