J. Nano-Science & Technology 분과

2020년 2월 14일(금), 15:45-17:30 / Room H (하트 I, 6층)

▋ [FH3-J] 양자점 & 뉴로모픽 소자 – II

: 　　　교수 (한양대학교)

FH3-J-1 15:45-16:15	**[초청]** **Surface Engineering of Nanocrystals to Design High Performance Devices and Wearable Sensors** Soong Ju Oh *Department of Materials Science and Engineering, Korea University*
FH3-J-2 16:15-16:45	**[초청]** 불참 **Colloidal II-VI Semiconductor Nanorods: Growth and Assembly Controlled by Surface Ligands** Doh C. Lee *KAIST* *아래 발표로 대체됨* **Strategies for highly efficient hybrid perovskite nanoparticle light-emitting diodes** Young-Hoon Kim1, Sungjin Kim1, Jinwoo Park1, Seung-Hyun Jo1, Hengxing Xu2, Yong-Hee Lee1, Laura Martínez-Sarti3, Henk J. Bolink3, Young-Woon Kim1, Bin-Hu2, and Tae-Woo Lee1 *1Department of Materials Science and Engineering, Institute of Engineering Research, Research Institute of Advanced Materials, Nano Systems Institute (NSI), BK21 PLUS SNU Materials Division for Educating Creative Global Leaders, Seoul National University, 1 Gwanak-ro, Gwanak-gu, Seoul 08826, Republic of Korea* *2Department of Materials Science and Engineering, University of Tennessee, Knoxville, TN 37996 , USA* *3Instituto de Ciencia Molecular (ICMol), Universidad de Valencia, Catedrático José Beltrán, 2, 46980 Paterna, Spain*
FH3-J-3 16:45-17:00	**In-Situ Modulation of Exposure to UV Light with UV-Selective Photonic Synapse** Hea-lim Park and Tae-woo Lee *Department of Materials Science and Engineering, Seoul National University*
FH3-J-4 17:00-17:15	**SiO_x Memristor Synapse Inspired by the Visual System for Neuromorphic Computing** Sanghyeon Choi[1], Jae-wan Choi[1], Jaeho Shin[1], Seonghoon Jang[1], Nam-dong Kim[2], Jeehyun Kwag[3], and Gunuk Wang[1] *[1]KU-KIST Graduate School of Converging Science and Technology, Korea University, [2]Functional Composite Materials Research Center, KIST, [3]Department of Brain and Cognitive Engineering, Korea University*
FH3-J-5 17:15-17:30	**Achievement of Uniform Passive Matrix Synaptic Array Device Architecture toward Superb Neuromorphic Calculating System** Jingon Jang, Sanghyeon Choi, Seonghoon Jang, Seonggil Ham, and Gunuk Wang *KU-KIST Graduate School of Converging Science and Technology, Korea University*