2022년 1월 25일(화), 10:45-12:30
Room G (스페이드 II+III, 6층)

J. Nano-Science & Technology 분과
[TG2-J] 2D Materials

좌장: 이관형 교수(서울대학교), 왕건욱 교수(고려대학교)

TG2-J-1 **10:45-11:00**	**Observation of Negative Differential Resistance in Ambipolar Multilayered Black Phosphorus without Heterojunctions** Yeeun Kim[1,2], Chulmin Kim[3], Takhee Lee[2], Gyu-Tae Kim[3], and Min-Kyu Joo[1,4] *[1]Department of physics, Sookmyung Women's University, [2]Department of physics and Astronomy, Seoul National University, [3]School of Electrical Engineering, Korea University, [4]Department of Applied Physics, Sookmyung Women's University*
TG2-J-2 **11:00-11:30**	**Giant 2D Single-Crystalline Metallic Nanosheets: Synthesis and Applications** Tae-Wook Kim *Department of Flexible and Printable Electronics, Jeonbuk National University*
TG2-J-3 **11:30-11:45**	**High-performance Field-effect-transistor based on MOCVD Grown Bismuth-oxy-chalcogenides** Hyun-Jun Chai[1], Minsoo Kang[1], Hu Young Jeong[2], and Kibum Kang[1] *[1]KAIST, [2]UNIST*
TG2-J-4 **11:45-12:00**	**Carrier Transport Analysis on Hexagonal WS_2 Field Effect Transistor** Jungchun Kim[1], Donghyun Kim[1], Dong Geun Park[1], Seunghee Jin[1], Seain Bang[1], Min Jung Kim[1], Seoyeon Choi[1], Kiseok Heo[1], Gwang Hwi An[2], Hyun Seok Lee[2], and Jae Woo Lee[1] *[1]Department of Electronics and Information Engineering, Korea University, [2]Department of Physics, Chungbuk National University*
TG2-J-5 **12:00-12:15**	**Remote Molecular Surface Charge Transfer Doping in MoS_2 Field-Effect Transistors** Juntae Jang[1], Jae-Keun Kim[2], Jiwon Shin[1], Jaeyoung Kim[1], Kyeong-Yoon Baek[1], Jaehyoung Park[1], Keehoon Kang[3], Kyungjune Cho[4], and Takhee Lee[1] *[1]Department of Physics and Astronomy, Seoul National University, [2]Max-Planck Institute of Microstructure Physics, [3]Department of Materials Science and Engineering, Yonsei University, [4]Soft Hybrid Materials Research Center, KIST*
TG2-J-6 **12:15-12:30**	**Gas-Phase Alkali Metal-Assisted MOCVD Growth of 2D Transition Metal Dichalcogenides for Large-Scale Precise Nucleation Control** Tae Soo Kim[1], Krishna P. Dhakal[2], Eunpyo Park[3], Gichang Noh[1,3], Hyun-Jun Chai[1], Youngbum Kim[2], Saeyoung Oh[5,6], Hu Young Jeong[5,6], Sunghwan Bang[4], Joon Young Kwak[3], Jeongyong Kim[2], and Kibum Kang[1] *[1]Department of Materials Science and Engineering, KAIST, [2]Department of Energy Science, Sungkyunkwan University, [3]Center for Electronic Materials, KIST, [4]Materials & Production Engineering Research Institute, LG Electronics, [5]Central Research Facilities, UNIST [6]Department of Materials Science and Engineering, UNIST*