



제 30회 한국반도체학술대회

The 30th Korean Conference on Semiconductors

2023년 2월 13일(월) ~ 15일(수) | 강원도 하이원리조트(그랜드호텔 컨벤션타워)

2023년 2월 15일(수), 10:45-12:30

Room D (사파이어 II+III, 5층)

J. Nano-Science & Technology 분과

[WD2-J] 2D Materials

좌장: 이관형 교수(서울대학교)

WD2-J-1 10:45-11:15 [초청]	Interface Band Engineering toward High-Performance 2D van der Waals Electronics Chul-Ho Lee ^{1,2} ¹ KU-KIST Graduate School of Converging Science and Technology, Korea University, ² Department of Integrative Energy Engineering, Korea University
WD2-J-2 11:15-11:30	Epitaxial Growth of Single-Crystalline Hexagonal Boron Nitride on Vicinal Germanium (110) Ju-Hyun Jung ^{1,2} , Seong-Jun Yang ^{1,2} , and Cheol-Joo Kim ^{1,2} ¹ Center for Van der Waals Quantum Solids, IBS, ² Department of Chemical Engineering, POSTECH
WD2-J-3 11:30-11:45	Extreme Nanophotonics Enabled by Surface Polaritons in 2D Materials In-Ho Lee Center for Opto-Electronic Materials and Devices, KIST
WD2-J-4 11:45-12:00	Twist Angle Controls Optoelectronic Properties in 2D Semiconductor Heterostructures Junho Choi Advanced Instrumentation Institute, KRISS
WD2-J-5 12:00-12:15	High Performance Short Channel Devices via E-beam Patterning of Oxygen Doped WSe₂ Tien Dat Ngo ¹ , Min Sup Choi ² , and Won Jong Yoo ¹ ¹ SKKU Advanced Institute of Nano Technology, Sungkyunkwan University, ² Department of Materials Science and Engineering, Chungnam National University
WD2-J-6 12:15-12:30	Mechanical Manipulation of Moire Ferroelectric Domain Structures in Twisted Bilayer WSe₂ Sang Hwa Park, Ayoung Yuk, Hyobin Yoo, and Sang Mo Yang Sogang University