



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