

# 제23회 한국반도체학술대회

2016년 2월 22일(월)-24일(수), 강원도 하이원리조트

## J. Nano-Science & Technology 분과

Room H  
육백 I (6층)

2016년 2월 24일(수) 08:30-10:00

[WH1-J] Two-Dimensional Materials beyond Graphene

좌장 : 조상현(SAIT)

- 
- |         |             |   |
|---------|-------------|---|
| WH1-J-1 | 08:30-09:00 | <b>[초청]</b> Observation of A Widely Tunable Band Gap in Black Phosphorus<br>Keun Su Kim<br><i>Department of Physics, Pohang University of Science and Technology</i>  |
| WH1-J-2 | 09:00-09:15 | <b>Electrical and Optical Properties of MoS<sub>2</sub> with Sulfur Vacancy Control by Alkanethiol Molecules Treatment</b><br>Kyungjune Cho, Tae-Young Kim, Jinsu Pak, Jae-Keun Kim, Barbara Yuri Choi, and Takhee Lee<br><i>Department of Physics and Astronomy, Seoul National University</i>   |
| WH1-J-3 | 09:15-09:30 | <b>Plasma Doping Strategy for Few-layer Transition Metal Dichalcogenides by Self-assembled Protective Nanostructures</b><br>Soonmin Yim, Dong Min Sim, and Yeon Sik Jung<br><i>Department of Materials Science and Engineering, KAIST</i>   |
| WH1-J-4 | 09:30-09:45 | <b>Size Tunable Growth of Monolayer MoS<sub>2</sub> Nano-Particles and Its Potential Application for Charge Trapping Layer of Memory Device</b><br>Jaeho Jeon <sup>1</sup> , Seung Hyuk Choi <sup>1</sup> , Gwangwe Yoo <sup>2</sup> , Sung Kyu Jang <sup>1</sup> , Jin-Hong Park <sup>2</sup> , and Sungjoo Lee <sup>1,2,3</sup><br><i><sup>1</sup>SKKU Advanced Institute of Nanotechnology, Sungkyunkwan University, <sup>2</sup>School of Electronics and Electrical Engineering, Sungkyunkwan University, <sup>3</sup>Center for Human Interface Nanotechnology, Sungkyunkwan University</i> |
| WH1-J-5 | 09:45:10:00 | <b>Angle-resolved Photoemission Spectroscopy on in-situ Surface-doped Black Phosphorus</b><br>Jimin Kim, Sae Hee Ryu, Yeongsup Sohn, and Keun Su Kim<br><i>Department of Physics, Pohang University of Science and Technology</i>   |