

## D. Thin Film Process Technology 분과

2017년 2월 15일 (수), 10:10-11:40  
Room A (에메랄드, 2층)

### [WA2-D] 2D Materials and Devices

좌장: 민요셉(건국대학교), 김성근(한국과학기술연구원)

<b>WA2-D-1</b> 10:10-10:25	<b>Two-Dimensional SnS<sub>x</sub> Growth by Sulfurization of Atomic Layer Deposited SnO<sub>x</sub></b> Jung Joon Pyeon <sup>1,2</sup> , In-Hwan Baek <sup>1</sup> , Chong-Yun Kang <sup>1,2</sup> , and Seong Keun Kim <sup>1</sup> <i><sup>1</sup>Center for Electronic Materials, Korea Institute of Science and Technology, <sup>2</sup>KU-KIST Graduate School of Converging Science and Technology, Korea University</i>
<b>WA2-D-2</b> 10:25-10:40	<b>Alignment of Solution-Processed Single Walled Carbon Nanotubes via Dielectrophoresis with Removable Carbon Electrodes</b> Min Young Jeong, Geun Woo Baek, Seung Yeob Kim, Jong Ik Baek, and Sung Hun Jin <i>Department of Electronic Engineering, Incheon National University</i>
<b>WA2-D-3</b> 10:40-10:55	<b>Enhanced High Photoconductivity Gain MoS<sub>2</sub> Hetero Junction Photo Sensor TFT with Transparent Electrodes</b> Junghak Park <sup>1</sup> and Sanghun Jeon <sup>2</sup> <i><sup>1</sup>Department of Applied Physics, Korea University, <sup>2</sup>Department of Display and Semiconductor Physics, Korea University</i>
<b>WA2-D-4</b> 10:55-11:10	<b>Multi-Layer WSe<sub>2</sub> Field Effect Transistor with Improved Carrier-Injection Contact by Using Oxygen Plasma Treatment</b> Won-Mook Kang, SungTae Lee, In-Tak Cho, Tae Hyung Park, Hyeonwoo Shin, Cheol Seong Hwang, Changhee Lee, Byung-Gook Park, and Jong-Ho Lee <i>Department of ECE and ISRC, Seoul National University</i>
<b>WA2-D-5</b> 11:10-11:25	<b>A Comparative Study on Photo-Sensitive Inverters Based on Amorphous Si and MoS<sub>2</sub> Thin Film Transistors</b> Seng Gi Seo, Jae Hyun Ryu, Geun Woo Baek, and Sung Hun Jin <i>Department of Electronic Engineering, Incheon National University</i>
<b>WA2-D-6</b> 11:25-11:40	<b>The Effect of Interfacial Transition Metal Oxide Layer Grown by Oxygen Plasma on Tungsten Diselenide Field-Effect Transistor</b> Sang Min Kim, Tae Kwang Kim, So Myeong Shin, Hye Won Du, Seon Yeong Kim, Min Ho Siong, Seung Jun Kim, and Sun Ae Seo <i>Department of Physics, Sejong University</i>