

## C. Material Growth & Characterization 분과

2020년 2월 13일(목), 09:00-10:30 / Room F (스페이스 I, 6층)

### ■ [TF1-C] 2D Materials

좌장: 김영덕 교수 (경희대학교), 이창석 박사 (삼성종합기술원)

TF1-C-1 09:00-09:30	<p>[초청]</p> <p><b>Heterointerface Engineering in Epitaxially-grown 2D Oxides and van der Waals Heterostructures</b></p> <p>Gwan-Hyoung Lee <i>Seoul National University</i></p>
TF1-C-2 09:30-09:45	<p><b>Seamless WSe<sub>2</sub> Homo Junction Diode via Laser-induced Oxidation</b></p> <p>양수정, 김장혁, 김지현 <i>고려대학교 화공생명공학과</i></p>
TF1-C-3 09:45-10:00	<p><b>Wafer-Scale Formation of van der Waals (W,Mo)Te<sub>2</sub> Electrodes toward Barrier-Free Contact at the Schottky-Mott Limit</b></p> <p>Seunguk Song<sup>1</sup>, Yeoseon Sim<sup>1</sup>, Se-Yang Kim<sup>1</sup>, Jung Hwa Kim<sup>1</sup>, Inseon Oh<sup>1</sup>, Woong Ki Na<sup>2</sup>, Do Hee Lee<sup>1</sup>, Jaewon Wang<sup>1</sup>, Jinsung Kwak<sup>1</sup>, Hyeonsik Cheong<sup>2</sup>, Jung-Woo Yoo<sup>1</sup>, Zonghoon Lee<sup>1</sup>, and Soon-Yong Kwon<sup>1</sup></p> <p><sup>1</sup><i>School of Materials Science and Engineering and Low Dimensional Carbon Materials Center, UNIST, </i><sup>2</sup><i>Department of Physics, Sogang University</i></p>
TF1-C-4 10:00-10:15	<p><b>Broadband Heterojunction 2D-TMDs/Si Photodetectors Directly Grown onto Silicon Substrate</b></p> <p>Jung-Min Choi<sup>1</sup>, Min Hyuk Park<sup>2</sup>, and Yonghun Kim<sup>1</sup></p> <p><sup>1</sup><i>Department of Advanced Functional Thin Films, Materials Center for Energy Convergence, KIMS, </i><sup>2</sup><i>School of Materials Science and Engineering, Pusan National University</i></p>
TF1-C-5 10:15-10:30	<p><b>헤테로 반데르발스 에피택시 기법과 MOCVD 공법을 이용한 고품질의 단일층 MoS<sub>2</sub> 성장</b></p> <p>Suhee Jang, Su Han Kim, Sang Il Lee, Won Jun Chang, Wonyoung Choi, and Won Il Park <i>Division of Materials Science and Engineering, Hanyang University</i></p>