

## Sejong Special Session: GRI-TPC IRC Workshop

Date : December 10 (Tue.), 2019

Organized by : GRI-TPC International Research Center

Time	Presenter	Title
09:30 ~ 09:45	Suklyun Hong (Sejong Univ.)	Introduction to GRI-TPC International Research Center
<b>Session 1</b>	<b>&lt;TEM &amp; Optics&gt;</b>	Chair: Suklyun Hong (Sejong Univ.), Walter Hu (UTD)
09:45 ~ 10:15	Moon Kim (The Univ. of Texas at Dallas)	A new group VI 2D material – Tellurene
10:15 ~ 10:45	Kwanpyo Kim (Yonsei Univ.)	TEM Imaging of Molecular Structures and Dynamics Enabled by Graphene Membrane
10:45 ~ 11:15	Mun Seok Jeong (Sungkyunkwan Univ.)	Nanosopic investigation of 2D materials with Tip-Enhanced Raman Scattering
11:15 ~ 11:45	Seok-Cheol Hong (Korea Univ.)	Interferometric Scattering Microscopy to Characterize Nanometric Objects and Subcellular Structures: Towards Fast 3D Imaging at Nanoscale
<b>11:45 ~ 14:30</b>	<b>Lunch</b>	
<b>Session 2</b>	<b>&lt;Electronic property&gt;</b>	Chair: Moon Kim (UTD), Y. J. Hong (Sejong Univ.)
14:30 ~ 15:00	Mei-Yin Chou (Academia Sinica & National Taiwan Univ.)	Electronic Structure of Two-Dimensional Moiré Heterostructures of Transition Metal Dichalcogenides
15:00 ~ 15:30	Noejung Park (UNIST)	Time-dependent density functional study of spin-phonon dynamics and band topology of solids
15:30 ~ 16:00	Jiyoung Kim (The Univ. of Texas at Dallas)	Low-k Dielectric Engineering for 2D Materials Devices
<b>16:00 ~ 16:30</b>	<b>Coffee Break</b>	
<b>Session 3</b>	<b>&lt;Optoelectronic devices&gt;</b>	Chair: Jiyoung Kim (UTD), K. S. Kim (Sejong Univ.)
16:30 ~ 17:00	Walter (Wenchuang) Hu (The Univ. of Texas at Dallas)	Lithographically defined perovskite nanostructures and devices for optoelectronic applications
17:00 ~ 17:30	Young Joon Hong (Sejong Univ.)	Remote epitaxy of GaN microrods for fabricating flexible light-emitting devices
17:30 ~ 18:00	Chul-Ho Lee (Korea Univ.)	Photoconversion and Photocatalysis based on 2D Semiconductor Heterostructures