



## [ThPM2-04] 2D Materials (Novel Phenomena)

**Date / Time** Aug. 30 (Thu.), 2018 / 16:45-18:45

**Place** Samda A (Room C)

### [ThPM2-04-I-1] (Invited)

16:45-17:05

#### Ultrafast Charge Transfer in 2D Semiconductors and Heterostructures

Qihua Xiong

<sup>1</sup>Nanyang Technological University, Singapore, <sup>2</sup>CNRS-UCA-SU-NUS-NTU International Joint Research Unit, Singapore

### [ThPM2-04-O-2]

17:05-17:20

#### Probing the Phonon and Electron in Layered Black Phosphorus Using Raman Spectroscopy

Xi Ling

Boston University, USA

### [ThPM2-04-O-3]

17:20-17:35

#### Polarized Raman Spectroscopy with Differing Angles of Laser Incidence on Single Layer 2D Materials

Hyun-Jae Ahn<sup>1</sup>, Gaeun Heo<sup>1</sup>, Yumin Sim<sup>1</sup>, V. Senthilkumar<sup>2</sup>, Chinh Tam Le<sup>2</sup>, Yong Seung Kim<sup>3</sup>, Seung-Hyun Chun<sup>3</sup>, Yong Soo Kim<sup>2</sup>, Maeng-Je Seong<sup>1</sup>

<sup>1</sup>Chung-Ang University, Korea, <sup>2</sup>University of Ulsan, <sup>3</sup>Sejong University, Korea

### [ThPM2-04-O-4]

17:35-17:50

#### On the Different Effect of Alloying on the Raman Scattering of Intralayer vs. Interlayer Modes in $\text{Mo}_x\text{W}_{(1-x)}\text{S}_2$

Tsachi Livneh<sup>1</sup>, Dumitru O. Dumcenco<sup>2</sup>, Eran Sterer<sup>1</sup>, and Iddo Pinkas<sup>3</sup>

<sup>1</sup>NRCN, Israel, <sup>2</sup>University of Geneva, Switzerland, <sup>3</sup>Weizmann Institute, Israel

### [ThPM2-04-O-5]

17:50-18:05

#### Confocal Raman Spectroscopic Study on Minerals in Chondrite

Sun Young Park<sup>1</sup>, Changkun Park<sup>1</sup>, Jong Ik Lee<sup>1</sup>, and Minjung Son<sup>2</sup>

<sup>1</sup>Korea Polar Research Institute, Korea, <sup>2</sup>Thermo Fisher Scientific, Korea

### [ThPM2-04-K-6] (Keynote)

18:05-18:35

#### Polarization Resolved Raman Scattering of H and T' Layered Transition Metal Di-chalcogenides

Shao-Yu Chen, Thomas Goldstein and Jun Yan

University of Massachusetts Amherst, USA