



## [FrAM-08] Special Session

**Date / Time** Aug. 31 (Fri.), 2018 / 09:00-11:00

**Place** 301 (Room E)

### [FrAM-08-K-1] (Keynote)

09:00-09:30

#### **Raman Spectroscopy for Investigation of Antiferromagnetic Ordering in 2-Dimensional Materials**

Hyeonsik Cheong

Sogang University, Korea

### [FrAM-08-I-2] (Invited)

09:30-09:50

#### **Sub-nanometer Tip-Enhanced Raman Study on 1D/2D Si Nanostructures**

Kehui Wu

Chinese Academy of Sciences, China

### [FrAM-08-I-3] (Invited)

09:50-10:10

#### **Double-Resonant Raman Processes in Single Layer Graphene, Carbon Nanotubes and Twisted Bilayer Graphene**

Pedro Venezuela

Universidade Federal Fluminense, Brazil

### [FrAM-08-I-4] (Invited)

10:10-10:30

#### **Sideband Raman Cooling of Optical Phonon in Semiconductors**

Jun Zhang

Chinese Academy of Sciences, China

### [FrAM-08-O-5]

10:30-10:45

#### **Laser Raman Detection of Authigenic Carbonates from Cold Seeps in the South China Sea**

Shichuan Xia,<sup>c</sup> Xin Zhang<sup>1,2,3</sup>, Zhendong Luan<sup>1</sup>, Zengfeng Du<sup>1</sup>, Lianfu Li<sup>1,3</sup>, Bing Wang<sup>1,3</sup>, Chao Lian<sup>1</sup>, and Jun Yan<sup>1</sup>

<sup>1</sup>Chinese Academy of Sciences, China, <sup>2</sup>Qingdao National Laboratory for Marine Science and Technology, China, <sup>3</sup>University of Chinese Academy of Sciences, China

### [FrAM-08-O-6]

10:45-11:00

#### **Confocal Raman Microscopy Analysis of Mussel Tissue from Cold Seeps in the South China Sea**

Zhengwei liang<sup>1,3</sup>, Xin Zhang<sup>1,2,3</sup>, Zhendong Luan<sup>1</sup>, Zengfeng Du<sup>1</sup>, Shichuan Xi<sup>1,3</sup>, Lianfu Li<sup>1,3</sup>, Bing Wang<sup>1,3</sup>, Chao Lian<sup>1</sup>, and Jun Yan<sup>1</sup>

<sup>1</sup>Chinese Academy of Sciences, China, <sup>2</sup>Qingdao National Laboratory for Marine Science and Technology, China, <sup>3</sup>University of Chinese Academy of Sciences, China