



## [MoPM2-04] 2D Materials (Strain and External Perturbations)

**Date / Time** Aug. 27 (Mon.), 2018 / 16:45-18:45

**Place** Samda A (Room C)

### [MoPM2-04-I-1] (Invited)

16:45-17:05

#### Strain-Shear Coupling in Bilayer Two-dimensional Crystals

Young-Woo Son

Korea Institute for Advanced Study, Korea

### [MoPM2-04-I-2] (Invited)

17:05-17:25

#### Probing Static and Dynamic Strain in Graphene Electromechanical Systems Using Raman Spectroscopy

Xin Zhang<sup>1</sup>, Kevin Makles<sup>1,2</sup>, Dominik Metten<sup>1</sup>, Hicham Majjad<sup>1</sup>, Pierre Verlot<sup>2</sup>, and Stéphane Berciaud<sup>1</sup>

<sup>1</sup>Université de Strasbourg, France, <sup>2</sup>Université Claude Bernard Lyon, France

### [MoPM2-04-I-3] (Invited)

17:25-17:45

#### Theoretical Insights into Raman Spectra of 2D Layered Materials and Heterostructures

Su Ying Quek

National University of Singapore, Singapore

### [MoPM2-04-O-4]

17:45-18:00

#### Quantitative Measurement of Stress State on Silicon by Raman Spectroscopy

Ma Lu-lu<sup>1</sup>, Li Qiu<sup>2</sup>, and Qiu Weia<sup>1</sup>

<sup>1</sup>Tianjin University, China, <sup>2</sup>Tianjin University of Technology and Education, China

### [MoPM2-04-O-5]

18:00-18:15

#### Chemical visualization of 2D Materials with Correlative Microscopy

Ute Schmidt<sup>1</sup>, Hailong Hu<sup>2</sup>, Keiichi Nakamoto<sup>3</sup>, Matthias Kress<sup>1</sup>, and Olaf Hollricher<sup>1</sup>

<sup>1</sup>WITec GmbH, Germany, <sup>2</sup>WITec Beijing Representative Office, China, <sup>3</sup>WITec KK, Japan

### [MoPM2-04-K-6] (Keynote)

18:15-18:45

#### Strain Effects on Graphene and MoS<sub>2</sub> Layers Investigated by Raman spectroscopy

Antonio G. Souza Filho

Universidade Federal do Ceará, Brazil