



## [ThAM-01] TERS-2

**Date / Time** Aug. 30 (Thu.), 2018 / 10:00-12:00

**Place** Halla A (Room A)

### [ThAM-01-K-1] (Keynote)

10:00-10:30

#### **Visualizing the Inner Workings of Molecules: TERS on the Å -scale**

J. Lee<sup>1</sup>, N. Tallarida<sup>1</sup>, X. Chen<sup>2</sup>, K. Crampton<sup>1</sup>, L. Jensen<sup>2</sup>, V. Ara Apkarian<sup>1</sup>

<sup>1</sup>University of California at Irvine, USA, <sup>2</sup>Pennsylvania State University, USA

### [ThAM-01-I-2] (Invited)

10:30-10:50

#### **New Approach for Background-Free Enhanced Nano Raman Spectroscopy**

Ryo Kato, Takayuki Umakoshi, and Prabhat Verma

Osaka University, Japan

### [ThAM-01-I-3] (Invited)

10:50-11:10

#### **From Nanobubbles to Non-Ideal Edges: Using Near-field Optics to Uncover Local Optoelectronic Properties in 2D Semiconductors**

P. James Schuck

Columbia University, USA

### [ThAM-01-O-4]

11:10-11:25

#### **Subnanometer Resolution STM-TERS in Ambient**

Maria Vanessa Balois<sup>1</sup>, Norihiko Hayazawa,<sup>1,2,3</sup> Satoshi Yasuda<sup>4</sup>, Katsuyoshi Ikeda<sup>5</sup>, Bo Yang<sup>1</sup>, Emiko Kazuma<sup>1</sup>, Yasuyuki Yokota<sup>1</sup>, Yousoo Kim<sup>1</sup>, and Takuo Tanaka<sup>1,3</sup>

<sup>1</sup>IRIKEN, Japan, <sup>2</sup>University of the Philippines, Philippines, <sup>3</sup>Tokyo Institute of Technology, Japan,

<sup>4</sup>Japan Atomic Energy Agency, Japan, <sup>5</sup>Nagoya Institute of Technology, Japan

### [ThAM-01-O-5]

11:25-11:40

#### **Study of Isomerization of a Photo Switch Self-assembled Monolayer by Tip-enhanced Raman Spectroscopy**

Li-Qing Zheng<sup>1</sup>, Xing Wang<sup>1</sup>, Feng Shao<sup>1</sup>, Martin Hegner<sup>2</sup>, and Renato Zenobi<sup>1</sup>

<sup>1</sup>ETH Zurich, Switzerland, <sup>2</sup>Trinity College Dublin, Ireland

### [ThAM-01-O-6]

11:40-11:55

#### **Tip-Enhanced Raman Spectroscopy for Characterizing Atmospheric Secondary Organic Aerosols**

Sophie Sobansk, David Talag, Sébastien Bonhommeau, Arnaud Desmedt, Pierre Marie Flaud, Emilie Perraudin, and Eric Villenave

Université de Bordeaux, France