



## [ThPM1-01] TERS-3

**Date / Time** Aug. 30 (Thu.), 2018 / 14:30-16:30

**Place** Halla A (Room A)

### [ThPM1-01-K-1] (Keynote)

14:30-15:00

#### **Chiral Discrimination Using Chemically Modified Tip-enhanced Raman Spectroscopy (TERS) Based Charge-transfer and H-bonding**

Thanyada Sukmanee<sup>1</sup>, Kanet Wongravee<sup>1</sup>, Yasutaka Kitahama<sup>2</sup>, Sanong Ekgasit<sup>1</sup>, Prompong Pienpinijtham<sup>1</sup>, and Yukihiro Ozaki<sup>2</sup>

<sup>1</sup>Chulalongkorn University, Thailand, <sup>2</sup>Kwansei Gakuin University, Japan

### [ThPM1-01-I-2] (Invited)

15:00-15:20

#### **Tip-enhanced Nanospectroscopy Beyond Ambient**

Norihiko Hayazawa

RIKEN, Japan

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

15:20-15:40

#### **Intermolecular Interactions in Self-Assembled Monolayers on Metal Surfaces Characterized by Ultrahigh Vacuum Tip-Enhanced Raman Spectroscopy**

Philip Whiteman, Jeremy Schultz, and Nan Jiang

University of Illinois at Chicago, USA

### [ThPM1-01-I-4] (Invited)

15:40-16:00

#### **Phonons in Semiconductor Nanostructures Probed by Gap-mode Tip-Enhanced Raman Spectroscopy**

A.G. Milekhin<sup>1,2</sup>, M. Rahaman<sup>3</sup>, I.A. Milekhin<sup>1,2</sup>, E.E. Rodyakina<sup>1,2</sup>, T.A. Duda<sup>1</sup>, A.V. Latyshev<sup>1,2</sup>, V.M. Dzhagan<sup>4</sup>, and D.R.T. Zahn<sup>3</sup>

<sup>1</sup>Rzhanov Institute of Semiconductor Physics RAS, Russia, <sup>2</sup>Novosibirsk State University, Russia,

<sup>3</sup>University of Technology, Germany, <sup>4</sup>National Academy of Sciences of U.K.raine, U.K.raine

### [ThPM1-01-O-5]

16:00-16:15

#### **Nanoscale Chemical Imaging of Solid-liquid Interfaces using Tip-enhanced Raman Spectroscopy**

N. Kumar<sup>1,2</sup>, W. Su<sup>3</sup>, M. Veselý<sup>2</sup>, B. M. Weckhuysen<sup>2</sup>, A. J. Pollard<sup>1</sup>, and A. J. Wain<sup>1</sup>

<sup>1</sup>National Physical Laboratory, U.K., <sup>2</sup>Utrecht University, Netherlands, <sup>3</sup>Hangzhou Dianzi University, China



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**ICORS 2018**

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[ThPM1-01-O-6]

16:15-16:30

**Nanoscale Characterization of the Surface Plasmon Catalysis with Electrochemical Tip-enhanced Raman Spectroscopy**

Sheng-Chao Huang, Xiang Wang, Zhi-Cong Zeng, Jiu-Zheng Ye, and Bin Ren

Xiamen University, China