



## [TuPM2-04] 2D Materials (Resonance and Tunneling)

**Date / Time** Aug. 28 (Tue.), 2018 / 16:45-18:45

**Place** Samda A (Room C)

### [TuPM2-04-K-1] (Keynote)

16:45-17:15

#### **Resonant Raman Spectroscopy of Single- and Few-layer 2D Materials**

Janina Maultzsch

Friedrich-Alexander-University Erlangen-Nuremberg, Germany

### [TuPM2-04-I-2] (Invited)

17:15-17:35

#### **Resonant and Time Resolved Spontaneous Raman Scattering to Disentangle Competing Order in Transition Metal Complexes**

Florian Biebl, Melissa Teubner, Benjamin Grimm-Lebsanft, and Michael Rübhausen<sup>1,2</sup>

<sup>1</sup>Center For Free Electron Laser Science, Germany, <sup>2</sup>Institute for Nano and Condensed Matter Research

### [TuPM2-04-I-3] (Invited)

17:35-17:55

#### **Modulation of Exciton-Exciton Interaction in Two-Dimensional Semiconductors**

Jeongyong Kim

Sungkyunkwan University, Korea

### [TuPM2-04-I-4] (Invited)

17:55-18:15

#### **Direct Observation of Quantum Tunneling Charge Transfers between Molecules and Semiconductors for Non-Plasmonic SERS**

Seokhyun Yoon<sup>1</sup>, Nam-Jung Kim<sup>2,3</sup>, Jayeong Kim<sup>1</sup>, Jun-Beom Park<sup>3</sup>, Hyemin Kim<sup>1</sup>, and Gyu-Chul Yi<sup>3</sup>

<sup>1</sup>Ewha Womans University, Korea, <sup>2</sup>University of Missouri, USA, <sup>3</sup>Seoul National University, Korea

### [TuPM2-04-O-5]

18:15-18:30

#### **Raman Spectroscopy Reveals Hot-carrier Injection in a Goldnanoparticle-on-graphene Hybrid Structure**

Marcel Weinhold, Sangam Chatterjee, and Peter J. Klar

Justus-Liebig University Giessen, Germany

### [TuPM2-04-O-6]

18:30-18:45

#### **Raman Spectroscopy Study of Linear Carbon Chains Encapsulated in Carbon Nanotubes**

W.Q. Neves<sup>1,2</sup>, R.S. Alencar<sup>2</sup>, R.S. Ferreira<sup>3</sup>, A.C. Torres-Dias<sup>2</sup>, N.F. Andrade<sup>1</sup>, A.San-Miguel<sup>4</sup>, Y.A. Kim<sup>5</sup>, M. Endo<sup>6</sup>, D.W. Kim<sup>5</sup>, H. Muramatsu<sup>6</sup>, A.L. Aguiar<sup>3</sup>, and A.G. Souza Filho<sup>2</sup>

<sup>1</sup>Ciência e Tecnologia do Ceará - IFCE, Brazil, <sup>2</sup>Universidade Federal do Ceará, Brazil, <sup>3</sup>Universidade Federal do Piauí, Brazil, <sup>4</sup>Université de Lyon, France, <sup>5</sup>Chonnam National University, Korea, <sup>6</sup>Shinshu University, Japan