

| <b>[TuPM2-04] 2D Materials (Resonance and Tunneling)</b> |  |
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| <b>Date / Time</b>                                       | Aug. 28 (Tue.), 2018 / 16:45-18:45                 |
| <b>Place</b>   | Samda A (Room C)                                   |
| <b>Session Chair</b>                                     | Ping-Heng Tan (Chinese Academy of Sciences, China) |

**[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, University of Hamburg, Germany,* <sup>2</sup>*Institute for Nano and Condensed Matter Research, Germany*

**[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*