

<b>[ThPM2-01] TERS-4</b>	
<b>Date / Time</b>	Aug. 30 (Thu.), 2018 / 16:45-18:45
<b>Place</b>	Halla A (Room A)
<b>Session Chair</b>	Norihiko Hayazawa (RIKEN, Japan)

**[ThPM2-01-I-1] (Invited) 16:45-17:05**

**Diagnosis of Defects in 2D Nanomaterials with Vibrational Nanoscopy**

Mun Seok Jeong<sup>1,2</sup>, Chanwoo Lee<sup>1,2</sup>, Kyung-Duck Park<sup>3</sup>, Byeong Geun Jeong<sup>1</sup>, Sung-Jin An<sup>1,2</sup>,  
and Seung Mi Lee<sup>4</sup>

<sup>1</sup>Sungkyunkwan University, Korea, <sup>2</sup>Institute for Basic Science, Korea, <sup>3</sup>University of Colorado, USA, <sup>4</sup>KRISS, Korea

**[ThPM2-01-O-2] 17:05-17:20**

**Vibrational Changes Induced by Electron Transfer in Surface Bound Azurin Metalloprotein Studied by STMTERS**

Ewelina Lipiec<sup>1,2</sup>, Stefan Kradofer<sup>1</sup>, Chiara Baldacchini<sup>3,4</sup>, Anna Rita Bizzarri<sup>3</sup>, Salvatore Cannistraro<sup>3</sup>,  
and Renato Zenobi<sup>1</sup>

<sup>1</sup>ETH Zurich, Switzerland, <sup>2</sup>Polish Academy of Sciences, Poland, <sup>3</sup>Università della Tuscia, Italy, <sup>4</sup>CNR, Italy

**[ThPM2-01-O-3] 17:20-17:35**

**Structure Investigation of Energetic Nanocomposites Produced by Spray Flash Evaporation via AFM-TERS**

Jakob Hübner, Vincent Pichot, Mazheva Guillevic, and Denis Spitzer

French-German Research Institute of Saint-Louis, France

**[ThPM2-01-O-4] 17:35-17:50**

**Nanoscale Chemical and Electronic Mapping of Carboxyl Graphene Oxide Using TERS**

Jana Kalbacova<sup>1</sup>, Weitao Su<sup>2</sup>, Naresh Kumar<sup>3</sup>, Andrey Krayev<sup>4</sup>, and Marc Chaigneau<sup>5</sup>

<sup>1</sup>HORIBA Jobin Yvon GmbH, Germany, <sup>2</sup>Hangzhou Dianzi University, China, <sup>3</sup>National Physical Laboratory, U.K.,

<sup>4</sup>HORIBA Instruments Inc, USA, <sup>5</sup>HORIBA France, France

**[ThPM2-01-K-5] (Keynote) 17:50-18:20**

**Electro-Assisted Tip-Enhanced Raman Scattering of Azo-Chromophores in Glassy Environment**

Kharintsev S.S.<sup>1</sup> and Kazarian S.G.<sup>2</sup>

<sup>1</sup>Kazan Federal University, Russia, <sup>2</sup>Imperial College London, U.K.