



[ThAM-01] TERS-2	
Date / Time	Aug. 30 (Thu.), 2018 / 10:00-12:00
Place	Halla A (Room A)
Session Chair	Volker Deckert (Friedrich Schiller University Jena, Germany)

[ThAM-01-K-1] (Keynote) 10:00-10:30

Visualizing the Inner Workings of Molecules: TERS on the Å-Scale

J. Lee¹, N. Tallarida¹, X. Chen², K. Crampton¹, L. Jensen², V. Ara Apkarian¹

¹Univ. of California, Irvine, USA, ²Pennsylvania 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-O-3] 10:50-11:05

Subnanometer Resolution STM-TERS in Ambient

Maria Vanessa Balois¹, Norihiko Hayazawa,^{1,2,3} Satoshi Yasuda⁴, Katsuyoshi Ikeda⁵, Bo Yang¹, Emiko Kazuma¹, Yasuyuki Yokota¹, Yousoo Kim¹, and Takuo Tanaka^{1,3}

¹RIKEN, Japan, ²University of the Philippines, Philippines, ³Tokyo Institute of Technology, Japan, ⁴Japan Atomic Energy Agency, Japan, ⁵Nagoya Institute of Technology, Japan

[ThAM-01-O-4] 11:05-11:20

Study of Isomerization of a Photo Switch Self-Assembled Monolayer by Tip-Enhanced Raman Spectroscopy

Li-Qing Zheng¹, Xing Wang¹, Feng Shao¹, Martin Hegner², and Renato Zenobi¹

¹ETH Zurich, Switzerland, ²Trinity College Dublin, Ireland

[ThAM-01-O-5] 11:20-11:35

Tip-Enhanced Raman Spectroscopy for Characterizing Atmospheric Secondary Organic Aerosols

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

Université de Bordeaux and CNRS, France

[ThAM-01-O-6] 11:35-11:50

Engineering Plasmonic Hot-Spot of Gold Nano Dimer for Surface and Tip-Enhanced Raman Spectroscopy in Single Molecule Level

Anushree Dutta and Arun Chattopadhyay

Indian Institute of Technology Guwahati, India