



[ThPM2-07] Single-Molecule SERS and Chemical Sensing	
Date / Time	Aug. 30 (Thu.), 2018 / 16:45-18:45
Place	302 (Room F)
Session Chair	Zee Hwan Kim (Seoul National University, Korea)

[ThPM2-07-K-1] (Keynote) 16:45-17:15

Plasmon-Enhanced Spectroscopy under Strong Coupling Regime

Tamitake Itoh

National Institute of Advanced Industrial Science and Technology (AIST), Japan

[ThPM2-07-I-2] (Invited) 17:15-17:35

Plasmonic DNA-Origami Nanoantennas for Single Molecule SERS

Theobald Lohmueller

LMU Munich and Nanosystems Initiative Munich (NIM), Germany

[ThPM2-07-I-3] (Invited) 17:35-17:55

Power-Law Analysis and Super-Resolution Imaging of Blinking Surface-Enhanced Raman Scattering and Fluorescence

Yasutaka Kitahama

Kwansei Gakuin University, Japan

[ThPM2-07-O-4] 17:55-18:10

High Spatial Resolution Nanoslit SERS for Real-Time Single-Molecule Nucleobase Sensing

Chang Chen^{1,2}, Yi Li^{1,2}, Sarp Kerman^{1,2}, Pieter Neutens^{1,2}, Kherim Willems^{1,2}, Sven Cornelissen^{1,2}, Liesbet Lagae^{1,2}, Tim Stakenborg¹, and Pol Van Dorpe^{1,2}

¹IMEC, Belgium, ²KU Leuven, Belgium

[ThPM2-07-O-5] 18:10-18:25

Impact of Temperature and Peripheral Substitution on the Single-Molecule SERS Detectability of Porphycene.

Maria Pszona¹, Sylwester Gawinkowski^{1,2}, and Jacek Waluk^{1,3}

¹Institute of Physical Chemistry of the Polish Academy of Sciences, Poland, ²ICFO - The Institute of Photonic Sciences, Spain, ³Cardinal Stefan Wyszyński University, Poland

[ThPM2-07-O-6] 18:25-18:40

Isomerization Reaction of *mer*- to *fac*- Tris(2- phenylpyridinato-N,C2')Iridium(III) Monitored by Using Surface-Enhanced Raman Spectroscopy

Bo-Han Wu, Min-Jie Huang, Cheng-Chang Lai, Chien-Hong Cheng, and I-Chia Chen

National Tsing Hua University, China

[ThPM2-07-O-7] 18:40-18:55

SERS and SEIRA for Optofluidics by the Use of Gradient Metal Nanoislands

Dimitra Gkogkou, Christoph Kratz, Norbert Esser, Euger Speiser, and Karsten Hinrichs

Leibniz Institut für Analytische Wissenschaften, Germany