



[TuPM1-01] Nanostructures for SERS

Date / Time Aug. 28 (Tue.), 2018 / 14:30-16:30

Place Halla A (Room A)

[TuPM1-01-I-1] (Invited)

14:30-14:50

Design of the Ordered SERS-active Substrate Based on the PS Template

Lei Chen^{1,2}, Yongjun Zhang¹, Yaxin Wang¹ and Young Mee Jung²

¹Jilin Normal University, China, ²Kangwon National University, Korea

[TuPM1-01-I-2] (Invited)

14:50-15:10

Self-assembled Nanogaps for Raman Spectroscopy

Sang-Woo Joo

Soongsil University, Korea

[TuPM1-01-I-3] (Invited)

15:10-15:30

Development of SERS Substrates to Overcome Affinity of Analytes to Metal Surface

Dae Hong Jeong¹, Bong-Hyun Jun², and Yoon-Sik Lee¹

¹Seoul National University, Korea, ²Kunkook University, Korea

[TuPM1-01-O-4]

15:30-15:45

Developing SERS-Based Methods for Detecting Pharmaceutical Pollutants in Treated Wastewater

Timothy Tze Xin Ong¹, Jiri Kessler², Oliver A.H. Jones¹, and Ewan W. Blanch¹

¹RMIT University, Australia, ²Charles University, Czech Republic

[TuPM1-01-O-5]

15:45-16:00

Metallized Monolayers of SiO₂ Microspheres – New Heat Resistant Substrates for SERS

Marek Procházka¹, Karel Kouba², and Jan Proška²

¹Charles University, Czech Republic, ²Czech Technical University in Prague, Czech Republic

[TuPM1-01-O-6]

16:00-16:15

Hybrid Flexible Plasmonic SERS Substrate with Improved Assemblage of Ag@SiO₂ Nanocubes on a Miniaturized Paper Platform

Menbere Leul Mekonnen¹, Wei-Nien Su¹, Ching-Hsiang Chen¹, and Bing-Joe Hwang^{1,2}

¹National Taiwan University of Science and Technology, Taiwan, ²National Synchrotron Radiation Research Center, Taiwan

[TuPM1-01-O-7]

16:15-16:30

Flexible and Deformable SERS Substrates Enlighten New Functionalities

Xiangjiang Liu, Jingjing Wang, Weichao Gong, and Yibin Ying

Zhejiang University, China