

[TuPM1-07] Plasmonic Field and Trapping	
Date / Time	Aug. 28 (Tue), 2018 / 14:30-16:30
Place	302 (Room F)
Session Chair	Kenneth Crozier (University of Melbourne, Australia)

[TuPM1-07-I-1] (Invited) 14:30-14:50

Effect of Adsorbate Molecules on Chemical Interface Damping of Single Plasmonic Gold Nanorods

Seong Woo Moon and Ji Won Ha

University of Ulsan, Korea

[TuPM1-07-I-2] (Invited) 14:50-15:10

Mapping the Electromagnetic Enhancement in an Individual SERS Hot Spot

Nam Hoon Kim¹, Wooseup Hwang^{2,3}, Kangkyun Baek², Md. Rumum Rohman², Jeehong Kim^{2,3}, Hyun Woo Kim¹, Jungho Mun³, So Young Lee⁴, Gyeongwon Yun², James Murray², Ji Won Ha⁴, Junsuk Rho³, Martin Moskovits⁵, and Kimoon Kim^{2,3}

¹KRICT, Korea, ²Institute for Basic Science (IBS), Korea, ³POSTECH, Korea, ⁴University of Ulsan, Korea,

⁵University of California, USA

[TuPM1-07-O-3] 15:10-15:25

Optical Aggregation of Gold Nanoparticles on Silicon-Based Micro-Structures for Surface-Enhanced Raman Scattering (SERS) Analysis

Xiaofeng Shi, Xu Zhang, Kun Xin, and Jun Ma

Ocean University of China, China

[TuPM1-07-O-4] 15:25-15:40

Critical Importance of Nanogap in SERS, Irreversible Laser Trapping of Silver Nanoparticles and Photocatalytic Reactions

Masayuki Futamata, Ryutaro Kuwana, Natsumi Akiba, Kanae Tabei, and Keitaro Akai

Saitama University, Japan

[TuPM1-07-O-5] 15:40-15:55

Near-Field Response on the Far-Field SERS Spectra: A vis-à-vis Study

Joydeep Chowdhury

Jadavpur University, India

[TuPM1-07-K-6] (Keynote) 15:55-16:25

Optically Driven Plasmonic Nanomotors

Hana Sipova¹, Daniel Andrén¹, Nils Odebo Länk¹, Peter Johansson^{1,2}, Lei Shao^{1,3}, and Mikael Käll¹

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