



[TuPM1-07] Plasmonic Field and Trapping

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

Place 302 (Room F)

[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, Junggho 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 Sípova¹, Daniel Andrén¹, Nils Odebo Länk¹, Peter Johansson^{1,2}, Lei Shao^{1,3}, and Mikael Käll¹
¹Chalmers University of Technology, Sweden, ²Örebro University, Sweden, ³The Chinese University of Hong Kong, Hong Kong, China