



[FrAM-01] Vibrational and Electronic Excitations by Plasmons

Date / Time Aug. 31 (Fri.), 2018 / 09:00-11:00

Place Halla A (Room A)

[FrAM-01-K-1] (Keynote)

09:00-09:30

Unusual Vibrational Excitations induced by Gap-Plasmons

Hyun-Hang Shin, Gyu Jin Yeon, Kang Sup Lee, Han-Kyu Choi, Sang Min Park, and Zee Hwan Kim
Seoul National University, Korea

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

09:30-09:50

Local Near-field Induced Heating and Field Enhancement in Tip-enhanced Raman Spectroscopy Revealed by Stokes/Antistokes Intensity Ratios

Marie Richard-Lacroix, Steffen Trautmann, and Volker Deckert
Friedrich-Schiller-University Jena, Germany and Leibniz Institute of Photonic Technology (IPHT), Germany

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

09:50-10:10

Assignment of Unknown SERS Bands Detected from 4aminobenzenethiol at a Concentration of 8×10^{-10} M

Yuko S. Yamamoto¹ and Tamitake Itoh²
¹Japan Advanced Institute of Science and Technology, Japan, ²National Institute of Advanced Industrial Science and Technology, Japan

[FrAM-01-I-4] (Invited)

10:10-10:30

Not Submitted

[FrAM-01-O-5]

10:30-10:45

Thermometry of Plasmonic Structures via Anti-Stokes Electronic Raman Scattering: Principles and Applications

Steven Jones¹, Daniel Andrén¹, Pawel Karpinski^{1,2}, and Mikael Käll¹
¹Chalmers University of Technology, Sweden, ²Wroclaw University of Science and Technology, Poland