



[TuPM2-07] Plasmonic Antenna

Date / Time Aug. 28 (Tue.), 2018 / 16:45-18:45

Place 302 (Room F)

[TuPM2-07-I-1] (Invited)

16:45-17:05

Integrating Metallic and Non-Metallic Nanoparticle Building Blocks into Discrete Plasmonic Molecules and Extended Photonic-Plasmonic Structures for Surface Enhanced Vibrational Spectroscopy

Björn M. Reinhard
Boston University, USA

[TuPM2-07-I-2] (Invited)

17:05-17:25

Plasmonic Manipulation from Responsive Colloid for Optical Actuators and High Performance SERS in Aqueous Systems

Ji Eun Song¹, Sora Lim¹, Hakseong Kim², Sangwook Lee³, Ju A La¹, and Eun Chul Cho¹
¹Hanyang University, Korea, ²KRISS, Korea, ³Ewha Womans University, Korea

[TuPM2-07-I-3] (Invited)

17:25-17:45

Programmable Self-Assembly of the Roundest and Large (60~100 nm) Gold Colloids into Plasmonic Metamolecules

Seungwoo Lee
Sungkyunkwan University, Korea

[TuPM2-07-O-4]

17:45-18:00

Plasmonic Properties of Self-assembled Multi-layered Vertically Aligned Au Nanorod Arrays

Li-Lin Tay¹, John Hulsea¹, Sarah Milliken², Jeff Fraser¹, and Shawn Poirier¹
¹National Research Council Canada, Ottawa, Canada, ²University of Alberta, Canada

[TuPM2-07-O-5]

18:00-18:15

Optimised Flexible Gold-coated Silicon Nanowires for High Sensitivity Bio-Sensing by SERS

Andrea M. Giovannozzi, Luisa Mandrile, Eleonora Cara, Federico Ferrarese Lupi, Chiara Portesi, Luca Boarino, Natascia De Leo, and Andrea Mario Rossi
Istituto Nazionale di Ricerca Metrologica (INRiM), Italy

[TuPM2-07-K-6] (Keynote)

18:15-18:45

Engineering Light-matter Interactions at the Nanoscale in Nanowire Photodetectors and Silicon Nano-Antenna Optical Tweezers

Kenneth B. Crozier
The University of Melbourne, Australia