



[TuAM-01] Non-Metallic SERS and Chemical Enhancement

Date / Time Aug. 28 (Tue.), 2018 / 10:00-12:00

Place Halla A (Room A)

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

10:00-10:30

Charge Transfer in Nanoplasmonics as an Avenue for Control of Chemical SERS Enhancement and Molecular Self-Assembly

Stefan A Maier

Ludwig-Maximilians-Universität München, Germany

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

10:30-10:50

Ultra-Low Frequency SERS Observation of Molecular Adsorbates on Atomically Defined Gold Surfaces under Electrochemical Conditions

Katsuyoshi Ikeda

Nagoya Institute of Technology, Japan

[TuAM-01-O-3]

10:50-11:05

SERS Theory on Semiconductor and Dielectric Substrates and Appearance of Forbidden Lines in the SERS Spectrum of Hydroquinone Molecule Adsorbed on Titanium Dioxide

V.P. Chelibanov¹ and A.M. Polubotko²

¹State University of Information Technologies, Russia, ²A.F. Ioffe Physico-Technical Institute, Russia

[TuAM-01-O-4]

11:05-11:20

Surface-Enhanced Raman Scattering-Active Semiconductor Nanomaterials: Development and Challenge

Yong Yang, Lili Yang, Yunfeng Ma, Yufeng Shan, and Zhenren Huang

Chinese Academy of Sciences, China

[TuAM-01-O-5]

11:20-11:35

Observing the Surface Enhanced Raman Scattering on Bulk MoS₂

Da Zhan, Dandan Yan, and Xiangyang Liu

Xiamen University, China

[TuAM-01-O-6]

11:35-11:50

Chemical Enhancement Mechanism Studied by Non-plasmonic Surface Enhanced Raman Spectroscopy(SERS)

Jayeong Kim¹, Nam-Jung Kim^{2,3}, Jun-Beom Park³, Hyemin Kim¹, Gyu-Chul Yi³, and Seokhyun Yoon¹

¹Ewha Womans University, Korea, ²University of Missouri, USA, ³Seoul National University, Korea



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[TuAM-01-O-7]

11:50-12:05

Observation of Enhanced Raman Scattering for Molecules Adsorbed on CH₃NH₃PbCl₃ Single Crystalline Perovskite

Zhi Yu¹, Weili Yu¹, Jun Xing¹, Rashid A. Ganeev¹, Wei Xin¹, Jinluo Cheng¹, and Chunlei Guo^{1,2}

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