



[Session D] Recent Advances in Plasmonics and Nanophotonics 4

Date / Time November 2, 2021 / 13:30-15:30

Session Code TuD2-03

Session Chair Prof. Seungwoo Lee (Korea University, Korea)

TuD2-03-1 **Keynote Talk**

[Live] 13:30-14:00

Plasmon-Driven Nitrogen Photofixation

Jianfang Wang

*The Chinese University of Hong Kong, Hong Kong*TuD2-03-2 **Invited Talk**

[Pre-recorded] 14:00-14:20

Plasmon Excitation and Outcoupling in Quantum Mechanical Tunnel Junctions

Christian A. Nijhuis

*University of Twente, The Netherlands*TuD2-03-3 **Invited Talk**

[Pre-recorded] 14:20-14:40

Tuning of Chemical Interface Damping in Single Gold NanoparticlesSo Young Lee¹, Hui Bin Jeon¹, Suman Kr. Ghosh², Jaehoon Jung¹, Kyeng Min Park³, and Ji Won Ha¹¹University of Ulsan, Korea ²Institute for Basic Science, Korea ³Daegu Catholic University, KoreaTuD2-03-4 **Invited Talk**

[Pre-recorded] 14:40-15:00

Plasmons in Two-Dimensional Metal Mesostructures and their Applications to Surface Enhanced Optical Processes

Kohei Imura

*Waseda University, Japan*TuD2-03-5 **Oral**

[Pre-recorded] 15:00-15:15

Defect-Mediated Photo-Induced Charge Transfer Enhancement SERS Activity in SiO₂-Ag-rGO SystemShuang Guo¹, Sila Jin¹, Eungyeong Park¹, Lei Chen², and Young Mee Jung¹¹Kangwon National University, Korea, ²Jilin Normal University, ChinaTuD2-03-6 **Oral**

[Live] 15:15-15:30

Enhanced Charge Transport in 2D Materials through Light-Matter Strong Coupling

Pooja Bhatt, Kuljeet Kaur, and Jino George

IISER Mohali, India