



[Session D] Photophysics and Photochemistry IV

Date / Time	November 4, 2021 / 10:50-12:30
Session Code	ThD1-05
Session Chair	Prof. Jae Kyu Song (Kyung Hee University, Korea)

ThD1-05-1 **Keynote Talk**

[Live] 10:50-11:20

Nuclear Wave Packets in Excited States: Their Detection, Origin, and Significance on Molecular Processes

Taiha Joo

POSTECH, Korea

ThD1-05-2 **Invited Talk**

[Pre-recorded] 11:20-11:40

Fundamental Mechanisms of Artificial Photosynthesis Studied by Time-Resolved Infrared Spectroscopy

Ken Onda

Kyushu University, Japan

ThD1-05-3 **Invited Talk**

[Live] 11:40-12:00

Application of 2D IR Spectroscopy to Materials Including Perovskite Films and Quantum Dots

Jin Gyu Seol, Hyejin Kwon, and Yung Sam Kim

UNIST, Korea

ThD1-05-4 **Oral**

[Live] 12:00-12:15

Photoexcitation of Dye-Doped Polystyrene Microparticles at Solution Interface: Rapid Assembling and Explosive DispersionShuichi Toyouchi¹, Yu-Chia Chang¹, Roger Bresoli-Obach^{1,2}, Johan Hofkens², and Hiroshi Masuhara¹¹National Yang Ming Chiao Tung University, Taiwan, ²Katholieke Universiteit Leuven, BelgiumThD1-05-5 **Oral**

[Pre-recorded] 12:15-12:30

High-speed Crystal Actuation by Photoisomerization, Photothermal Effect, and Natural VibrationShodai Hasebe¹, Yuki Hagiwara¹, Jun Komiya¹, Meguya Ryu², Hiroki Fujisawa³, Junko Morikawa³, Tetsuro Katayama⁴, Daiki Yamanaka⁴, Akihiro Furube⁴, Hiroyasu Sato⁵, Toru Asahi¹, and Hideko Koshima¹¹Waseda University, Japan, ²National Metrology Institute of Japan, Japan, ³Tokyo Institute of Technology, Japan, ⁴Tokushima University, Japan, ⁵Rigaku Corporation, Japan