

[TS11W1]

Nanophotonics and its Applications I

Date & Time	July 3(Wed.), 2024 / 09:00–10:15
Place	Room 303
Session Chair(s)	Yunwoo Lee (KIMM)

TS11W1_I_1 *Invited 09:00–09:30

Sustainable and Scalable Additive Manufacturing of Nano Plasmonic Platform for Spectroscopy, Sensing and Thermal Management

Ahmed A. Busnaina
(*Northeastern University*)

TS11W1_O_2 09:30–09:45

All-Inorganic Perovskite $\text{Cs}_3\text{Cu}_2\text{I}_5$ Films via CVD for High-Performance Ultraviolet Self-Powered Photodetectors

Van-Hoang Vuong and Soon-Gil Yoon
(*Chungnam National University*)

TS11W1_O_3 09:45–10:00

Analytic Overlap Integral Computation for Enhanced Multi-Waveguide Fourier Coupled-Mode Theory

Sehyeon Jeong, JongHyun Lee, Myeonggyu Choi, and Hwi kim
(*Korea University*)

TS11W1_O_4 10:00–10:15

Biomolecule Detection based on Infrared Metamaterial Absorber with Vertical Nanogap

Dohyun Kang¹, Mingyun Kim², Jongwon Lee², and Joo-Yun Jung¹
(¹*KIMM*, ²*UNIST*)