[TS02W1]

Nanophotonics and its Applications 1

Date & Time	July 8(Wed.), 2026 / 09:30-10:45
Place	Room 209A
Session Chair(s)	Prof. Jeong-Hwan Lee (Inha University)

TS02W1_I_1 ***Invited** 09:30-10:00

Low-Power Micro-LED Design and Reliability Evaluation for Display and Photonic Applications

Dae-Myeong Geum[1], Juhyuk Park[2], SangHyeon Kim[2], Yeonbin Kang[1], and Won Yong Choi[3]
([1]Inha University, [2]Korea Advanced Institute of Science and Technology, [3]Genesem Inc.)

TS02W1_O_2 ***YSA Applied** 10:00-10:15

AI-Assisted Seed Screening: High-Throughput Multi-Target Detection Using Flexible SERS

Minki Kim and Junseong Ahn
(Korea University)

TS02W1_O_3 ***YSA Applied** 10:15-10:30

A Stretchable and Antimicrobial Wrapper with Integrated Nanoladle SERS Sensor for Food Quality Monitoring and Preservation

Jinhyeok Yang[1], Ji-Hwan Ha[2], and Junseong Ahn[1]
([1]Korea University, [2]Hanbat National University)

TS02W1_O_4 ***YSA Applied** 10:30-10:45

Achieving Identical Colors in Reflection and Transmission Using Weakly Coupled Dual Cavities

Jungan Jeon, Donggyu Lim, Cheolhun Kang, Hyoseong Kim, Sungman Wi, Han-Youl Ryu, and Kyu-Tae Lee
(Inha University)