

[TS06T3]

Nanomaterials and Emerging Technologies for Next Generation Sensors 2

Date & Time	July 4(Thu.), 2024 / 09:00–10:30
Place	Room 208
Session Chair(s)	Kang Hee Ku (UNIST)

TS06T3_O_1

09:00–09:15

Rapid Sensing of Low-Concentration H1N1 Hemagglutinin using Integrated Nanotraps

Seok Cheol Kim, Jong Kwan Park, Aejin Lee, Yun Seo Choi, and Wan Soo Yun

(Sungkyunkwan University)

TS06T3_O_2

09:15–09:30

Additive Effect on Stretchable PEDOT:PSS for Intrinsically Stretchable Photodiodes

Yuanyuan Zhou¹, Yuto Ochiai², Kaita Takemoto¹, Minoru Ashizawa³, Ting-Wei Chang⁴, Takuji Takahashi¹, Chien-Chung Shih⁴, and Naoji Matsuhisa¹

(¹The University of Tokyo, ²RIKEN, ³Tokyo Institute of Technology, ⁴National Yunlin University of Science and Technology)

TS06T3_I_3 *Invited

09:30–10:00

Monolithic Artificial Tactile Neuron for Augmented Synaptic Memory

Do Hwan Kim

(Hanyang University)

TS06T3_O_4

10:00–10:15

Application of Near-Infrared Optical Nanoparticle for Imaging

Sanghwa Jeong

(Pusan National University)

TS06T3_O_5

10:15–10:30

A Strategy for Developing EGaIn-Based Electrochemical Biosensors using Reduced Graphene Oxide Core-Shell Nanoparticles

Dongwook Lee and Jayoung Kim

(Yonsei University)