[TS04T5]

Nano/MEMS Processing & Packaging for Intelligent & Quantum Applications 5

Date & Time	July 9(Thu.), 2026 / 15:50–18:05
Place	Room 206B
Session Chair(s)	Prof. Young Min Song (KAIST)

TS04T5_I_1 ***Invited** 15:50–16:20

Effect of Hygroscopic and Viscoelastic Behavior of Molding Compound in MEMS Sensor

Seungbae Park

(Binghamton University)

TS04T5_I_2 ***Invited** 16:20–16:50

Synergistic Metallization Strategies for Reliable Advanced Packages

Hanwool Yeon

(Gwangju Institute of Science and Technology)

TS04T5_O_3 ***YSA Applied** 16:50–17:05

Wafer-Scale Nanoparticle Assemblies via Low-Temperature Shadow Growth

Yoon-jeong Kim, Gyurin Kim, Juhwan Kim, Hyun Min Kim, and Hyeon-Ho Jeong

(Gwangju Institute of Science and Technology)

TS04T5_O_4 ***YSA Applied** 17:05–17:20

Photothermal Nanocomposite Glasses for LiDAR Antifogging

JuHyeong Lee, Gyurin Kim, Doeun Kim, Hyun Min Kim, and Hyeon-Ho Jeong

(Gwangju Institute of Science and Technology)

TS04T5_O_5 ***YSA Applied** 17:20–17:35

Disordered Plasmonic Nanocavity for Entropy Embedded Structural Color

Gyurin Kim, Jiyeong Ma, and Hyeon-Ho Jeong

(Gwangju Institute of Science and Technology)

TS04T5_O_6 ***YSA Applied** 17:35–17:50

Virtual Hardware Security Module for IoT Devices with Physical Unclonable Functions and Post-Quantum Cryptography Protocols

Min Seong Kim and Gil Ju Lee

(Pusan National University)

TS04T5_O_7 ***YSA Applied** 17:50–18:05

Bandgap Engineering of Multiwalled Carbon Nanotubes via Swift Heavy Ion Irradiation for MEMS Applications

Priyal Singhal[1], Sanjeev Gautam[1], Saji Augustine[2], Shalendra Kumar[3], and Keun Hwa Chae[4]

([1]Panjab University, [2]Deva Matha College, [3]University of Petroleum and Energy Studies, [4]Korea Institute of Science and Technology)