[TS03T5]

Nanomanufacturing and Metrology Technologies 5

Date & Time	July 9(Thu.), 2026 / 15:50–17:35
Place	Room 209B
Session Chair(s)	Dr. Tae Jae Lee (NNFC), Prof. Seok Kim (Yonsei University)

TS03T5_I_1 ***Invited** 15:50–16:20

Multiferroic Heterostructured Devices for Energy Efficient Electronics and Biomedical Applications

Jeongmin Hong

(Hubei University of Technology)

TS03T5_I_2 ***Invited** 16:20–16:50

Electromagnetic Sensors for Non-Invasive Monitoring of Physiological Parameters for Personalized Health

Pierre-Yves JOUBERT, Hana BOUKHAROUBA, Matthis GAUTIER, Alexiane PASQUIER, Sylvie BILENT, Thi Hong Nhung DINH, and Emile MARTINCIC

(Université Paris-Saclay)

TS03T5_O_3 ***YSA Applied** 16:50–17:05

Femtosecond Laser-Induced Graphene for Multifunctional Smart Textile: From Healthcare to Space Missions

Dongwook Yang, Younggeun Lee, Hyeonwoo Kim, Chanyoung Yang, Jinwoo Jeon, Hyeontaek Oh, and Young-Jin Kim

(Korea Advanced Institute of Science and Technology)

TS03T5_O_4 17:05–17:20

Realtime & Noncontact Method to Analyze Dispersion Degree of Nanoparticles Using Fluorescence Detection: Example for $BaTiO_3$ and ZnO Nanoparticles in Slurry

Noriaki Sano[1], Riku Nishitama[1], Daichi Goto[1], Tetsuo Suzuki[1], Kenichi Nakamune[2], Masaru Nishimura[2], and Motohiro Nakamune[2]

([1]Kyoto University, [2]AcroEdge Co., Ltd.)

TS03T5_O_5 ***YSA Applied** 17:20–17:35

Highly Compact Sun Sensor System Utilizing Flexible LIG Diffractive Lenses

Younggeun Lee[1], Hyogeun Han[1], Hyeokin Kang[1], Seunghwan Kim[1], Dongwook Yang[1], Hyeonwoo Kim[1], Joohyung Lee[2], Seung-Woo Kim[1], Hyosang Yoon[1], and Young-Jin Kim[1]

([1]Korea Advanced Institute of Science and Technology, [2]Seoul National University of Science and Technology)