[TS03T3]

Nanomanufacturing and Metrology Technologies 3

Date & Time	July 9(Thu.), 2026 / 09:30–11:00
Place	Room 209B
Session Chair(s)	Prof. Hyungcheoul Shim (University of Ulsan)

TS03T3_I_1 ***Invited** 09:30–10:00

Sustainable Transparent Flexible Heater and Electrode Fabricated via Various Printing Methods for AI-Driven Autonomous Manufacturing Vision Systems

Se Yong Park, Yohan Ko, Jeongmin Park, and Yoonkap Kim

(Gumi Electronics & Information Technology Research Institute)

TS03T3_I_2 ***Invited** 10:00–10:30

Photo-Patternable Stretchable Conducting Polymers for Skin-Conformable Sensor and Displays

Naoji Matsuhisa

(The University of Tokyo)

TS03T3_O_3 ***YSA Applied** 10:30–10:45

Design and Fabrication of Kirigami Stretchable Substrates with Enhanced Stretchability and Active Area Ratio

Nguyen Minh Son[1,2], Hyesun Park[1,2], Jae-Hyun Kim[1,2], and Bongkyun Jang[1,2]

([1]University of Science and Technology, 2Korea Institute of Machinery & Materials)

TS03T3_O_4 ***YSA Applied** 10:45–11:00

Eco-Friendly Flexible Electronics on MDF Enabled by Femtosecond Laser-Induced Graphene Patterning

Hyeongryeol Choi[1], Hyeonwoo Kim[2], Dojeong Kim[1], Hyeongjun Ha[1], Young-Jin Kim[2], and Han Ku Nam[1]

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