

# [TS01T3]

## Nanotechnology for Energy Harvesting 3

<b>Date &amp; Time</b>	July 4(Thu.), 2024 / 09:00-10:30
<b>Place</b>	Room 205
<b>Session Chair(s)</b>	Hyun-Cheol Song (KIST)

**TS01T3\_I\_1 \*Invited** 09:00-09:30

### Smart Textiles for Personalized Health Care

Jun Chen

*(University of California)*

**TS01T3\_O\_2** 09:30-09:45

### Triboresistive Touch Sensing: Grid-Free Touch Point Recognition based on Ionic Power Generators

Younghoon Lee

*(Gachon University)*

**TS01T3\_O\_3** 09:45-10:00

### Triboelectric Effect-Based Array-Free Touch Position Sensor with Sedimentation-Driven Development of Bifunctional Carbon Nanocomposite

Yoonsang Ra, Jiho Bang, Dongik Kam, Donghan Lee, Sumin Cho, Sunmin Jang, Gyunam Park, Jin-Gyun Kim, and Dongwhi Choi

*(Kyung Hee University)*

**TS01T3\_O\_4** 10:00-10:15

### Self-Powered Acceleration Sensor for Distance Prediction via Triboelectrifications

Zhengbing Ding and Dukhyun Choi

*(Sungkyunkwan University)*

**TS01T3\_O\_5** 10:15-10:30

### Energy Autonomous Environment Monitoring System Powered by Wind Energy

Vishwanathan Ravichandran, Swapnil Shital Nardekar, Jyoti Prakash Das, and Sang-Jae Kim

*(Jeju National University)*