

Hyun Sik Shin

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EDUCATION

Mar. 2022 ~ Present **Sungkyunkwan University** Suwon, Korea
Department of Smat Fab Technology
Advisor: Jong-Woong Kim
Master Student

RESEARCH INTERESTS

- Deep & Machine learning
- Intelligent sensors
- Stretchable light emitting devices
- AgNW based flexible electrode
- Synthesis of flexible materials

PUBLICATIONS (SCIE/ESCI)

1. Hyun Sik Shin, Su Bin Choi, Jong-Woong Kim, "Harnessing Highly Efficient Triboelectric Sensors and Machine Learning for Self-Powered Intelligent Security Applications", *MATERIALS TODAY ADVANCES*, (2023)
2. Su Bin Choi, Hyun Sik Shin, Jong-Woong Kim, "ognitive Convolution Neural Networks-Assisted Development of Intelligent Motion Detector Comprising Electrospun Reversibly-Crosslinkable Polymers and Encapsulated Ag Nanowires", *ACS APPLIED MATERIALS & INTERFACES*, (2023)
3. Yongbin Lee, Hyusik Shin, Jong-Woong Kim, jinseok LEe, "A Convolutional Neural Network for Classification of Stimuli based on Stretchable Mechanical Sensor", *IEEE SENSORS JOURNAL*, (2023)
4. Jagan Singh Meena, Su Bin Choi, Tran Duc Khanh, Hyun Sik Shin, Jun Sang Choi, Jinho Joo, Jong-Woong Kim, "Highly stretchable and robust textile-based capacitive mechanical sensor for human motion detection", *APPLIED SURFACE SCIENCE*, (2023)

PUBLICATIONS (DOMESTIC)

1. 신현식, 김종웅, "인공지능 기반의 스마트 센서 기술 개발 동향", 마이크로전자 및 패키징학회지, (2022)