

# *Sensors and Materials*

## **Special Issue on Advanced Sensing Technologies and Their Applications in Human/Animal Activity Recognition and Behavior Understanding**

### **Call for Papers**

With the miniaturization of sensors and performance enhancement of sensing, communication, and computation functionalities, as well as advances in AI technology, research on human activity recognition and behavior understanding (ARBU) is flourishing, which targets, for example, healthcare in the home and work efficiency in the office. The research is not limited to humans, and research has also progressed on the management and welfare of livestock and other animals. This special issue solicits articles on a wide range of cutting-edge technologies in terms of sensor modalities, measurement techniques, and target activities and behaviors. We also invite articles on a wide range of applications in ARBU. The scope includes but is not limited to the following topics.

#### **Scope:**

- Wearable-sensor-based ARBU
- ARBU using sensors embedded in instruments
- ARBU using sensors installed in the environment, e.g., cameras, motion sensors
- ARBU in the home and workplace
- ARBU for pets, livestock, and wild animals
- Data collection and labeling techniques and tools
- Mental state recognition through ARBU
- Sensors for ARBU
- Applications based on ARBU, e.g., healthcare, sports, well-being, hobbies, safe operation, production management, business efficiency

**Submission due date:** ~~April 30, 2023~~ **Closed**

**Publication date (planned):** Latter half of 2023

**Journal website:** <https://sensors.myu-group.co.jp/>

**Guest Editor:** Kaori Fujinami (Tokyo University of Agriculture and Technology)

**Submit to:** Online Manuscript Submission System (<https://myukk-org.ssl-xserver.jp/form/>)

If you have any questions, please feel free to contact the editorial staff at the address below.

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