



A Special Issue on

“Flexible and Wearable Sensors for Robotics and Health”

CALL FOR PAPERS

Flexible and wearable sensors that can acquire signals of pressure, temperature, optical input, chemical environment as well as human body physiological and biological parameters, are of critical importance for robotics and health, in which these sensors are hence in urgent demands. On the fundamental side, there are still substantial challenges on how to design and fabricate materials with biocompatibility, robustness and excellent mechanical flexibility, as well as sensor devices with high performance, low power consumption and good system integration capability. Meanwhile in practical applications, there are also obstacles on integration of various kinds of sensors with flexible substrates, signal processing and power supply units. With the fast development of Internet of Things (IoT), smart sensors will also be interconnected to form sensor networks that provide big data for our future intelligent living. All these would deliver a profound socio-economic impact to our society.

This special issue is aiming at reviewing recent advance in all topics related to flexible and wearable sensors with the special focus on robotic and health applications. We will accept both experimental and theoretical works. We invite submissions of original research articles/communications and comprehensive reviews to this special issue. Following topics are included to be covered in this special issue, but are not limited to:

- Epidermal electronics;
- Flexible/wearable optoelectronic, chemical/gas devices;
- Flexible/wearable power supply devices;
- Flexible/wearable data storage devices;
- Flexible/wearable sensor systems;
- Skin-laminated piezoresistive/piezoelectric Sensors;
- Multifunctional artificial skins.

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Manuscript Submission:

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Submit your manuscripts directly to the listing guest editors via the e-mail addresses above. Or directly submit via the online submission address at <https://mc03.manuscriptcentral.com/jos-iop>

Please notify well in advance for your intention to submit a research paper.

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