

Special Issue on
Wearable and Implantable Biosensors

CALL FOR PAPERS

Biological and medical sensors have risen to the forefront as one of the first and highest priority sensor collections in the growing Internet of Things (IoT). The ability to capture data with far greater ubiquity and regularity than has been traditionally possible is highlighted as the source to better medical response, diagnosis, and treatment. Micro- and nanoscale sensors both on the body (wearable) and in the body (implantable) are needed to enable the most effect biomedical IoT.

Many wearable sensors are massively deployed already through commercial products, although the vast majority of these products are primarily associated with motion based sensing. This special issue is focused toward biomedical sensors, both wearable and implantable, that will provide a pathway to valuable diagnostic data sets for people in various states of health. Particular interest lies in the evaluation of biocompatibility for the sensor. The widely varied environments associated with different parts of the human body (both inside and outside) and how that interacts with sensors over its lifetime. This special issue seeks high quality contributions to what is poised to become an extensive and varied sensor space.

Potential topics include but are not limited to the following:

- ▶ Wearable biosensors
- ▶ Implantable biosensors
- ▶ Lifetime of biocompatible materials
- ▶ Body location specific biocompatibility
- ▶ IoT based biosensors
- ▶ Blood based biosensors
- ▶ Neural implant sensors
- ▶ Gastrointestinal sensors
- ▶ Perspiration biosensor
- ▶ Ubiquitous biosensing
- ▶ Micro- and nanoscale biosensors
- ▶ Fabrication and manufacturing of biosensors

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/js/wibs/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

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