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Intelligent Health Monitoring Systems Based on Sensor Processing

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Message from the Guest Editors

In current society, the demand for daily health monitoring is increasing owing to the increase in health consciousness, the prevalence of infectious diseases, and the growing elderly population. Recent advances in small sensor device technologies, batteries, communication technologies, and so on have enabled the development of sensor systems, thereby satisfying such demands. These systems can be used in daily life with minimal or no discomfort and can store measurement data. The sensors must be small and enable unconstrained measurements to avoid interference with daily activities. This is achieved, for example, through the production of wearable sensors, attaching sensors to chairs or beds, or installing cameras inconspicuously in rooms. Because the targets are humans in their natural environments, sensor information processing must be able to cope with various situations, such as various human body shapes and sizes and daily changes in physical conditions and environments.

In this Special Issue, we invite papers on algorithm development, experimental systems, and system integration in health monitoring systems to obtain a person's health information in daily life.



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Special Issue



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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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