

Special Issue

Biomedical Sensors and Data Processing in Human Monitoring for E-health

Message from the Guest Editors

Biomedical sensor technology advances allow the monitoring of several physiological signals, often in wireless and non-invasive conditions, in order to better monitor and treat diseases and more especially chronic ones. These new devices must have innovative sensors and embedded systems with specific signal processing related to wireless information and cloud decision systems. In this Special Issue, researchers are invited to submit contributions describing new sensors, new adapted signal processing, wireless information transmission and artificial intelligence (AI) approaches. All innovative studies related to innovative E-Health instrumental chain are also welcome (e.g., data recording and standardization, experimental protocols). Potential topics include, but are not limited, to the following:

- Situation-awareness sensors for home monitoring
- Smart sensors (e.g., textiles)
- Sensor fusion algorithms
- Signal processing and AI algorithms
- Applications: elderly home monitoring, disease or post-surgery monitoring, physiological state detection (e.g., sleep, stress), telemedicine

Guest Editors

Prof. Dr. Dan Istrate

Prof. Dr. Sofiane Boudaoud

Prof. Dr. Jérôme Boudy

Deadline for manuscript submissions

closed (1 February 2022)



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Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

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