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ECG Sensors

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Deadline for manuscript
submissions:
closed (15 January 2021)

Message from the Guest Editors

This Special Issue aims to collect original research papers or review papers on advances in the technologies for the design of ECG electrodes. Moreover, readout electronic circuitry for ECG electrodes, and novel techniques for processing of the ECG signals gathered with such tools are also welcome. Topics include but are not limited to:

- ECG electrodes materials and technologies;
- ECG electrodes characterization;
- Textile electrodes;
- ECG electrodes on unconventional substrates;
- Loop recorders and invasive devices;
- Cardiac catheters for intracardiac recording and stimulation;
- Embedded systems for ECG sensing;
- Hardware front-end for ECG electrodes;
- Active ECG electrodes;
- Hardware and software filtering for ECG denoising and enhancement;
- Fetal electrocardiography electrodes and systems;
- Newborn and pediatric electrocardiography electrodes and systems;
- ECG applications during physical activity;
- Long-term ECG recording systems;
- Cardiac home telemonitoring systems;
- Sensor-dependent signal processing for computer-aided diagnosis.



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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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