Sensors in Health Disease Detection Based on Speech Signals

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Message from the Guest Editors

Recent advances in modern sensors and signal processing techniques in medicine have improved the accuracy and reliability of medical diagnoses. Speech signals can be a valuable and objective tool supporting the diagnosis of many neurodegenerative diseases. The basic feasibility of speech-based disease detection or symptom severity prediction can already be demonstrated for a broad spectrum of medical conditions ranging from acute to chronic respiratory diseases. New real-time methods are needed to improve the medical prognosis of diseases and shorten the time required for diagnosis.

This Special Issue aims to present a complete range of proven and new methods that play a leading role in improving biomedical diagnostics using speech signals. In this Special Issue, we want to build a bridge between different scientific disciplines and offer highly innovative researchers in various fields a platform to exchange research in this exciting and emerging field:

- Biomedical applications
- Deep learning
- Digital biomarker
- Healthcare
- Machine learning
- Speech technology
- Non-invasive sensors
- Articulation points
- Voice analysis
- Pathological speech conditions

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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