

## Special Issue

# AI on Biomedical Signal Sensing and Processing for Health Monitoring—2nd Edition

### Message from the Guest Editor

Following the success of the first edition of our Special Issue, we again invite our colleagues from across the world to contribute their expertise, insight, and findings in the form of original research articles and reviews for the current new Special Issue, entitled “AI on Biomedical Signal Sensing and Processing for Health Monitoring—2nd Edition”.

This Special Issue will hence focus on emerging AI technologies for biomedical signal processing applications, including the measurement and analysis of biomedical signals and images in clinical medicine. Potential topics include, but are not limited to, the following:

- AI on biomedical signal processing for sleep status detection;
- AI on biomedical signal processing for emotion recognition;
- Detection of arrhythmia based on biomedical signals by using AI technologies;
- AI on biomedical signal processing for brain diseases;
- Feature extraction and pattern recognition of biomedical signals;
- Applications of biomedical signals on health monitoring by using non-invasion devices;
- AI on biomedical signal processing for communication disorders detection;
- Biomedical signal-inspired non-invasion devices design for sensing and monitoring.

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### Guest Editor

Prof. Dr. Shing-Tai Pan

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### Deadline for manuscript submissions

31 July 2026



## Sensors

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## About the Journal

### 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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### Editor-in-Chief

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