

Special Issue

Explainable/Interpretable Machine Learning for Biomedical Sensing, Sensor Data Fusion and Diagnostics

Message from the Guest Editors

Over recent years, many biomedical applications related to sensing, sensor data fusion and diagnostics have successfully invoked machine learning (ML) models. Some of them only became possible due to powerful ML models. In the future, the relevance of ML for such biomedical applications will further increase.

For this Special Issue, we seek original contributions in the fields of biomedical sensing, diagnostics and sensor data fusion with a relation to explainable/interpretable machine learning. This includes works with a focus on

- The interpretation of applied/existing ML models
- Improvements that can be or even have been obtained by IML
- Methods to foster interpretability
- Theoretical analyses with respect to IML

Review articles with a focus on explainability / interpretability are welcome as well. If you are planning a contribution but are not sure if it is in the focus of the Special Issue, feel free to contact the guest editors.

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Deadline for manuscript submissions

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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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