

## 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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### Guest Editors

Prof. Dr. Christoph M. Friedrich

1. Department of Computer Science, University of Applied Sciences and Arts Dortmund (FH Dortmund), 44227 Dortmund, Germany
2. Institute for Medical Informatics, Biometry and Epidemiology (IMIBE), University Hospital Essen, 45122 Essen, Germany

Prof. Dr. Sebastian Zaunseder

Chair for Diagnostic Sensing, University of Augsburg, 85159 Augsburg, Germany

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### Deadline for manuscript submissions

closed (31 October 2023)



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*Sensors*  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sensors@mdpi.com](mailto: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.

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### 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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