



Real-Time Diagnosis Algorithms in Biomedical Applications and Decision Support Tools

Guest Editor:

Prof. Dr. Alfredo Rosado Muñoz

Department of Electronic Engineering, University of Valencia, 46100 Burjassot, Spain

Deadline for manuscript submissions:

closed (16 September 2023)

Message from the Guest Editor

This Special Issue welcomes real-time implementations of algorithms that can serve as an immediate decision-support tools in medical situations. This Special Issue is open but not restricted to any of the following biomedical areas where a real-time implementation is proposed:

- Signal processing algorithms for real-time pathology detection;
- Image processing algorithms for real-time diagnosis;
- Artificial intelligence algorithm for real-time implementation (this may include online training);
- Real-time parallel software implementations;
- Hardware implementations for computation speed-up, based on specific hardware: VLSI, FPGA, GPU, etc;
- Hardware implementations for portability and/or low power;
- User tools for real-time decision-support systems;
- Implementations for real-time remote diagnosis.





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Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
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