

Special Issue

Application of Artificial Intelligence (AI) for Biomedical Engineering

Message from the Guest Editors

With the rapid growth of biomedical engineering applications, artificial intelligence (AI)-based algorithms have become a key component in problem-solving. AI has been widely applied in disease detection and classification, prognosis, biosensors, rehabilitation, medical imaging, wearables, and medical devices, among others.

This Special Issue welcomes both original research articles and methodological reviews on novel AI-based approaches to biomedical engineering applications. Research areas may include, but are not limited to:

- Design and development of wearables and biosensors.
- Novel sensor technologies for physiological measurement.
- AI-based affective computing.
- AI-based disease diagnosis and classification.
- AI-based medical imaging processing techniques.
- Novel physiological signal processing techniques.
- AI-based rehabilitation systems and techniques.
- Biomechanical analysis and applications.

Methodologies that deal with the explainability and/or interpretability topic are also encouraged.

Guest Editors

Dr. Carlos Perez-Ramirez
Dr. Alejandra Álvarez López
Dr. Manuel Toledano-Ayala

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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls@mdpi.com

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About the Journal

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.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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