Design and Development of Signal Processing in Biocomputing

Guest Editors:

Dr. Jesús B. Alonso-Hernández
Institute for Technological Development and Innovation in Communications (IDeTIC), Universidad de Las Palmas de Gran Canaria, 35017 Las Palmas de Gran Canaria, Spain

Prof. Dr. Carlos M. Travieso-González
Signals and Communications Department, Institute for Technological Development and Innovation in Communications, University of Las Palmas de Gran Canaria, 35001 Las Palmas, Spain

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closed (10 October 2021)

Message from the Guest Editors

Dear Colleagues,

In the last few decades, the design of new algorithms and software to extract biological knowledge has increased, mainly due to the development of signal processing in biocomputing. This exciting new development has made it possible to improve the solutions that already exist as well as face new challenges.

The objective of this Special Issue is to present and discuss the most recent advances in design and development techniques in the field of signal processing applied to bioinformatics.

Possible topics include, but are not limited to, the following:

- Biological systems and bioinformatics;
- Bio-inspired systems;
- Digital communication based on applied signal processing;
- Computational techniques applied to problems of molecular biology, genomics and biophysics;
- Advances in biomedical signal processing;
- Diagnosis systems and evolutionary control through biosignals;
- Applications of pattern recognition in biocomputing.

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Guest Editors

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Special Issue

Editor-in-Chief

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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