Special Issue

New Challenges in Biomedical Signal Processing: Computational Theory and Applications

Message from the Guest Editors

Throughout the years, different sensors for signal recording warrant different and specific signal treatment procedures, and reliable signal processing techniques are required for a number of different applications, such as movement analysis, biosignals interpretation, image processing, and inertial sensing. Further, the central role gained in the last few years by artificial intelligence techniques for biomedical purposes has even further enhanced the need for processing techniques suited to specific contexts, in order to derive significant signal features. The aim of this Special Issue is to present high-quality papers or critical reviews dealing with cutting-edge developments in biomedical signal processing, in addition to proposing significant applications in the field of clinically oriented devices for rehabilitation and diagnostic purposes. The topics of interest include, but are not limited to:

- Non-linear signal processing
- Filtering techniques
- Optimization techniques
- Bio-signals processing
- Big data analysis in biomedical applications
- Image processing
- Timeseries analysis
- Patterns recognition in biological data

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Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

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