

Special Issue

Robotics, IoT and AI Technologies in Bioengineering, 2nd Edition

Message from the Guest Editors

Bioengineering is a discipline that blends many aspects of traditional engineering fields with healthcare issues. The main objective is the creation of digital tools, devices, and software platforms, as well as the implementation of advanced tools, from IoT, artificial intelligence, and robotics to Cloud computing, smart wearables with the ultimate aim of improving the quality and duration of life for patients. From an application point of view, for example, artificial intelligence has proven to be efficient in many ways in the medical field, from the improvement of image-based diagnostics, analysis of biological signals, recognition of human activities through accelerometric signals...Robotics is also a key branch in the field of surgery, enabling minimally invasive surgeries, automatic monitoring of surgical instruments...Telepresence robots have also been designed to help socially isolated people and aid rehabilitation...The biomedical applications of IoT are now present in remote patient management, monitoring of Parkinson's and Alzheimer's patients, vital data monitoring, depression monitoring via a smartwatch, glucose monitoring...

Guest Editors

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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

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