Special Issue

Advancements in Computer Architectures and Real-Time Systems for Robotics and Mechatronics

Message from the Guest Editors

The research on computer architectures and real-time systems has gained great interest in recent years as a result of the ever-increasing utilization of such systems in the IoT (Internet of Things), industrial IoT, cloud and edge computing applications. The outcomes of this type of research can be widely applied in various fields, such as smart manufacturing, industrial automation, energy systems, smart healthcare, intelligent robotics, automotive and autonomous vehicles, etc. This Special Issue aims to publish high-quality research papers that describe developments and advancements in computer architectures and real-time systems with a specific focus on robotics and mechatronics. Therefore, we sincerely invite scholars to actively submit papers on related research areas. These papers are expected to address developments and applications of computer architectures and real-time systems in robotics and mechatronics but are not limited only to these fields. Relevant research papers, e.g., real-time, low-cost, and energy-efficient embedded systems architectures, software, and applications in IoT, are welcome for inclusion in this Special Issue as well.

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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.

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