

Special Issue

Feature Review Papers in "Robotics and Automation" Section

Message from the Guest Editors

Industry 4.0 is a manufacturing concept which promotes the digitization and digitalization of manufacturing and production systems and networks in an attempt to achieve more efficient Human-Robot Collaboration (HRC). Consequently, several new technologies, among them being Cloud Computing, 5G networks, and Artificial Intelligence, are employed for creating knowledge and to help engineers to design, develop, and implement more robust decision-making frameworks. Automation and robotics are two main research areas moving us towards the realization of Smart Factories. To that end, automation systems play a very important role in the field of manufacturing, especially under the framework of Industry 4.0, which includes the use of various Information and Communication Technologies (ICT), infrastructure, and control systems such as Smart Machinery, Cyber-Physical Machine Tools (CPMTs), Robotics, Processes in factories, and other applications.

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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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