Special Issue

Advances in Intelligent Robotics in the Era 4.0

Message from the Guest Editor

The Era of 4.0 is the era of ongoing automation of traditional manufacturing and industrial practices, using modern smart technology. The rise of intelligent robotics in the Era 4.0 has brought substantial progress to the field of robotics as a whole. In the production sector. e.g., adaptive hybrid production cells in combination with flexible shop floor scheduling algorithms are rapidly emerging and enable individual products at mass customization level and the individual support of workers at the same time. Adaptive, collaborative robotic systems which assess the user state and adapt their support and services to it are significantly increasing in and beyond the production sector. Intelligent social robots are currently massively developed for fields such as the care sector. The aim of this Special Issue is to highlight state-of-the-art contributions to intelligent, adaptive robotics for research and real-world applications in production and care environments and elaborate learnings and crosssector findings in these fields.

Guest Editor

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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 multidimensional network.

Editor-in-Chief

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