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Human-Computer Interaction for Industrial Applications

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Message from the Guest Editors

Automation, digitalization, and robotics have provided an opportunity for integrating human behavior into computational intelligence applications, such as neural networks, fuzzy systems, and evolutionary computation for many industrial fields. On the one hand, perceptual integration from cognitive sciences is being considered in the design of human-computer interaction (HCI) systems to decrease users' visual fatigue; on the other hand, artificial intelligence provides the opportunity to adapt systems to the characteristics of users, improving the way in which they interact with them.

This Special Issue aims to publish high-quality papers about novel tendencies of integrating human interaction in various industrial applications. The recommended topics include, but are not limited to:

- The industrial applications of computational intelligence in human-related datasets;
- The integration of human cognitive processes;
- Human-computer interaction for industrial applications;
- Eye/hand/face/body tracking and activity recognition;
- Natural language processing.



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Special Issue



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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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