Special Issue

Novel Approaches and Applications in Ergonomic Design

Message from the Guest Editor

In the fourth industrial revolution, new technologies such as artificial intelligence, cloud computing, Internet of Things, big data, digitalization, and wireless technologies have challenged ergonomists and human factors professionals to explore innovative design solutions and methodologies of human-system interactions for the synergistic fusion of the digital, biological, and/or physical worlds.

This Special Issue "Novel Approaches and Applications in Ergonomic Design" aims to provide a platform for sharing novel methodologies and applications that can be effectively utilized for the development of ergonomic designs of human-system interactions. The areas of ergonomic approaches and applications of the Special Issue include, but not limited to, cognition, anthropometry, biomechanics, safety, macro-ergonomics, human-system integration, user-centered design, universal design, experience design, sustainable design, affective computing, autonomous systems, VR/AR/MR, aging, healthcare, neuro-ergonomics, musculoskeletal disorders, human-robot interaction, and exoskeletons.

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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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