Special Issue

Focus on Integrated Collaborative Systems for Smart Factory

Message from the Guest Editors

The Issue aims to disseminate challenging research dealing with design methods, technologies, and systems for a collaborative factory enhanced by Industry 4.0 and Industry 5.0 principles. Interconnected technologies aiming to improve factory efficiency and productivity—supported by Industry 4.0 pillars—have to be enriched by a deeper system humanization and a renewed usage of resources. In such a vision, humans and machine must be highly interconnected to accomplish the future enlarging customization of manufacturing processes and the wider use of optimized robotized processes. Mobile and fixed robotic collaborative systems, quality and machinery monitoring systems for operator assistance, and autonomous guided vehicles interacting with operators are essential tools to conceive, prototype, and implement integrated collaborative workplaces for a smart factory. New methodologies can support the design and development of collaborative workplaces by adopting mathematical modeling and virtual simulation to boost and optimize verification and validation steps of designing processes.

Guest Editors

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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.

Editor-in-Chief

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