# Special Issue

# Enhancing Manufacturing through Human–Collaborative Robot Integration

## Message from the Guest Editors

The integration of human–robot collaborative systems into manufacturing environments is fundamentally transforming human–machine interaction, reshaping production workflows, driving demand for new technical and cognitive skills, and redefining the dynamics and goals of human–human collaboration on the factory floor. This Special Issue seeks interdisciplinary contributions that explore the technological dimensions of human–robot collaboration in manufacturing contexts. Contributions may address topics such as collaborative system design, safety and trust, workforce training and acceptance, regulatory frameworks, and case studies of implementation in industry. Both empirical studies and conceptual/theoretical papers are encouraged.

- human–robot collaboration
- human–machine interaction
- smart manufacturing
- workforce skills and training
- organizational change
- socio-technical systems
- interdisciplinary robotics research
- human-centered automation
- cognitive skills in manufacturing
- industry 4.0
- human factors

## Guest Editors

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## Deadline for manuscript submissions

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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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