Innovations in Intelligent Machinery and Industry 4.0

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Message from the Guest Editors

This Special Issue calls for research papers which present innovative and advanced theories and practices in **intelligent machinery and Industry 4.0**, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Intelligent control, intelligent diagnosis, intelligent manufacturing planning, and intelligent decision makings;
- Cloud and edge computing architectures, frameworks, and practical applications;
- IT governance, data security, and accessibility issues;
- Innovative machinery design, intelligent machinery applications, implementations;
- Integrated digital transformation (DT) technologies and applications;
- Theoretical and empirical performance models;
- Explainable AI, responsible AI, and trustworthy AI;
- Sustainable and smart product-service system (smart PSS);
- Emerging digital technologies;
- Human factors and design for emerging manufacturing and servitization model;
- Analyzing the functional dynamics and new models of supply chain and demand chain;
- Industry 4.0-based industrial innovation model and technology policy research;
- Expert systems, knowledge-based systems, and clouding manufacturing systems.

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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