

Special Issue

Artificial Intelligence Applications for Industry 4.0

Message from the Guest Editors

With the advent of new technologies brought about by Industry 4.0, the complexity of production systems continues to increase to ensure a high degree of adaptability, flexibility, reconfigurability and robustness. The importance of flexibility largely determines the ability of a system to effectively deal with a variety of uncertainties and their consequences. Artificial Intelligence solutions are one of the most important technologies that can ensure this flexibility.

This Special Issue aims to present AI approaches in smart factories, especially in the field of sustainability. Topics of interest include, but are not limited to:

- AI and sustainable infrastructure;
- AI and green transportation;
- AI and additive manufacturing;
- Decision-support systems, including evolutionary algorithms, swarm intelligence, etc.;
- Deep learning;
- Neural networks;
- Fuzzy systems;
- Architectures, methods, and approaches for distributed AI systems;
- Image processing, pattern recognition, and speech recognition;
- AI and responsible consumption;
- Practical applications with the aforementioned approaches in industry, such as case studies or benchmarking

Guest Editors

Dr. Tibor Holczinger

Dr. Judit Szűcs

Dr. Tibor Guzsvinecz

Deadline for manuscript submissions

closed (30 June 2023)



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Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

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About the Journal

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University,
Columbus, OH 43210, USA

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