

Special Issue

Machine Learning for Industrial Optimization and Predictive Control

Message from the Guest Editor

This Special Issue aims to advance the state of the art in this field, pushing the boundaries of what ML can achieve in industrial applications. It will focus on publishing high-quality original research studies that address the challenges mentioned above by consolidating the latest advancements and innovative techniques in ML for industrial optimization and predictive control. We welcome submissions of original research articles and review papers. Research topics of interest include, but are not limited to, the following:

- ML for manufacturing process optimization;
- Predictive maintenance and fault diagnosis;
- Supply chain and logistics optimization;
- Energy management and efficiency improvement;
- Real-time process monitoring and control;
- Reinforcement learning in industrial control;
- Deep learning applications in quality control;
- ML in the Industrial Internet of Things;
- Integration of digital twin technology with ML;
- Interpretability and reliability of ML models.

Guest Editor

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Deadline for manuscript submissions

25 September 2025



Processes

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Message from the Editor-in-Chief

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Editor-in-Chief

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