



Advanced Manufacturing Informatics, Energy and Sustainability

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Message from the Guest Editors

Dear Colleagues

The objective of this Special Issue is to present contributions from practitioners and researchers on the state of the art of manufacturing informatics—from theory to applications. Topics of interest for publication include, but are not limited to:

- Soft sensing for enhanced process monitoring and real-time control
- Machine learning for adaptive control and optimization in manufacturing
- Traditional and cloud-based smart monitoring systems for fault detection and classification, energy usage, anomaly detection, machine health assessment, and predictive maintenance
- Design of smart products with embedded machine learning capabilities to enhance energy efficiency and sustainability
- Informatics enabled carbon footprint reduction
- Data-driven approaches to reconfigurable manufacturing systems
- Self-optimizing, self-configuring, and self-diagnosing systems and equipment
- Production scheduling optimisation for green manufacturing
- Informatics-based methods and technologies for manufacturing system lifetime extension and resource waste reduction
- Case studies on informatics-based refurbishment, revamping, and upgrading of industrial equipment and plants





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Message from the Editor-in-Chief

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