

Special Issue

Advanced Manufacturing Informatics, Energy and Sustainability

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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Deadline for manuscript submissions

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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