

Special Issue

Lean Manufacturing Strategies and Energy Management for Industry 4.0

Message from the Guest Editors

Industry 4.0 is a strategy for being competitive in global markets. This strategy provides the integration of lean production systems with autonomous and dynamic solutions, enhancing the digitalization of data, flows, and machinery. Digital tools support the management and control of lean production. Therefore, the Internet of Things, Cyber-Physical Systems, Big Data, and other technologies are widely applied in Industry 4.0. The improvement of energy efficiency is another critical topic in Industry 4.0.

This Special Issue invites papers presenting methodologies, strategies, tools, and best practices for the optimization of lean manufacturing and energy management in Industry 4.0. Physical, sensorial and cognitive aids for reducing non-ergonomic tasks, while supporting the Operator 4.0 to handle and manage increasingly complex cognitive tasks, are also encouraged. We also welcome papers presenting frameworks and approaches for supporting data management and elaboration in this context. To foster the life cycle design of products and systems, new methods and tools for assessing the economic and environmental impacts of Industry 4.0 factories are encouraged.

Guest Editors

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Deadline for manuscript submissions

closed (31 March 2022)



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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. *Sustainability* publishes original research articles, review 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. Marc A. Rosen

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