

Special Issue

Intellectual Manufacturing and Digital Decision

Message from the Guest Editors

Intellectual manufacturing is considered the fourth revolution in manufacturing and a new paradigm for ICT and manufacturing technologies. It consists of a set of cutting-edge technologies that enable faster, more accurate, and more efficient digital decision-making by combining various ICT technologies with existing manufacturing technologies, playing a critical role in decreasing human intervention, improving production quality and sustainability, and reducing costs. Advanced technologies such as IoT, Industrial Internet, CPS, BDA, Cloud Manufacturing, Intellectual Sensors, Additive Manufacturing, CC, DM, AI, VR, AR, and MR are being applied in manufacturing sites, which illuminates advanced manufacturing and its importance. The achievement of Intellectual manufacturing goals depends on autonomous and analytics-based decision-making.

This Special Issue aims to publish research in the following broad areas to enhance Intellectual decision-making in manufacturing for sustainable production and consumption, not limited to the development, improvement, and management of materials, processes, and practices designed or adapted for use in digital manufacturing.

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Deadline for manuscript submissions

closed (31 May 2023)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/138819

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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

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