

Special Issue

Digital Transformation and Its Opportunities for Sustainable Manufacturing

Message from the Guest Editors

This special issue aims to further explore the topics at the intersection of digital transformation and sustainable manufacturing. Both original research and review papers are welcome, from the various research disciplines, such as smart and sustainable manufacturing, life cycle engineering, eco-design, remanufacturing, circular economy and system of systems engineering. The following non-exhaustive list of topics can be addressed:

- Data science and AI methods towards mitigating the environmental impacts of manufacturing;
- Engineering and design of sustainable products, processes and/or supply chains;
- Industry 4.0, Industrial Internet-of-Things (IIoT), Digital Twins and/or Cyber-Physical Production Systems (CPPS);
- Sustainable cyber-physical product- and/or production-service-systems;
- Shop-floor and/or dynamic life cycle assessment (LCA);
- Sustainable operational and business model innovation;
- Digital tracking and monitoring systems for sustainability;
- Circular economy through management and digital tools;
- Sustainability metrics;
- Compliance with international standards.

Guest Editors

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Dr. Carlo Brondi

Deadline for manuscript submissions

closed (15 December 2021)



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About the Journal

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

Prof. Dr. Steve W. Lyon

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