

Special Issue

Sustainable Manufacturing: Digital Transformation of Production Technologies and Energy Management

Message from the Guest Editors

Manufacturing, as the most important pillar industry of the national economy, is an industry with a high energy consumption and high emissions. Sustainable manufacturing is an effective way to reduce energy consumption and realize the emission peak and carbon neutrality strategy. Digital transformation of production technologies and energy management is an emerging research hotspot in sustainable manufacturing, which can improve energy efficiency and reduce energy consumption of manufacturing industry. This Special Issue intends to provide a forum for researchers around the world to present, discuss, and exchange their latest work on the topic of sustainable manufacturing: digital transformation of production technologies and energy management, and to envision developments in the future. Research areas may include (but are not limited to) the following:

- Remanufacturing;
- Digital transformation of production technologies;
- Digital transformation of energy management;
- Big data and digital twins in sustainable manufacturing;
- Product lifecycle management;
- Energy efficiency evaluation.

Guest Editors

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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

Prof. Dr. Steve W. Lyon

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