Advances and Innovations in Manufacturing Technologies

Guest Editor:

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Message from the Guest Editor

Manufacturing is rapidly evolving globally amid raising trade tensions, growing economic uncertainty, and increasing awareness of sustainability and the value of data. One of the key changes in manufacturing arises from Industry 4.0, which includes digitalisation and automation of processes, additive manufacturing, applications of machine learning and artificial intelligence in manufacturing, Industrial Internet of Things (IIoT), digital twin and cyber physical systems. Another key change in manufacturing comes from increasing environmental awareness and sustainability, which includes improving the energy and resource efficiency of manufacturing processes, reduction of plastics, and minimisation of wastes created in the development of new sustainable materials and processes, and life cycle assessment.

Topics of interest include, but are not limited to:

- Advances and innovations in traditional manufacturing processes
- Additive manufacturing
- Automation and robotics
- Machine learning and artificial intelligence applications in manufacturing
- Sustainable or green manufacturing
- Energy efficiency and optimisation of manufacturing processes

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Special Issue

Editor-in-Chief

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Message from the Editor-in-Chief

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