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Smart Manufacturing and Beyond: Bridging Innovation in Industry 4.0 and 5.0

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Deadline for manuscript submissions:
closed (28 February 2026)

Message from the Guest Editors

Dear Colleagues,

Industry 4.0 has ushered in a transformative era in manufacturing, integrating cutting-edge technologies to enhance efficiency, productivity and competitiveness. As we stand on the cusp of Industry 5.0, emphasizing collaborative synergy between humans and machines, there is a unique opportunity to explore and advance the realms of both Industry 4.0 and 5.0 in smart manufacturing.

This Special Issue aims to publish works that delve into recent advancements in science and technology within the dynamic landscape of smart manufacturing. Topics of interest include, but are not limited to:

- Additive and hybrid manufacturing;
- Intelligent automation;
- Smart factories;
- Digital engineering;
- Sustainable manufacturing;
- Collaborative robots in manufacturing;
- Manufacturing engineering;
- Equipment design;
- Advanced inspection and measurement;
- Digital twinning;
- Big Data analytics in Industry 4.0/5.0;
- Human-machine interaction;
- Maintenance in Industry 4.0/5.0;
- Collaborative robotics in Industry 4.0/5.0



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Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications.

Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.

There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

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