



## State-of-the-Art in Digital Manufacturing Systems

Guest Editors:

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**Dr. Jamal Shah**

Deadline for manuscript  
submissions:

**closed (31 May 2023)**

### Message from the Guest Editors

This Special Issue will provide a forum for researchers and practitioners to exchange their latest research and practical experiences and also to identify critical issues and challenges for future studies in this rapidly developing area of digital manufacturing systems. Results of experimental research in field conditions are encouraged, as are evaluations of practical case studies, and state-of-the-art reviews. Conceptual and experimental articles accepted into this Special Issue are expected to contain original ideas and potential solutions available for resolving real problems. Topics include, but are not limited to, the following domains:

- Non-invasive sensing
- Cloud computing for manufacturing
- Automated fault detection
- Smart object detection for industrial safety
- Robotics and collaborative robots ('cobots')
- Machine Learning/CNN models and workflows
- Dynamic resource scheduling, allocation and optimization
- Smart maintenance and condition monitoring
- Manufacturing data visualization
- Retrofitting plant with smart technologies
- Field Programmable Gate Arrays for smart system integration
- Cyber Physical Systems for smart manufacture





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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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