

## Special Issue

# Development of Robotic and Hybrid Manufacturing Systems for Machining in Smart Factories

### Message from the Guest Editors

The strong interest from manufacturing industries in the development and implementation of robotic and hybrid machining systems, due to their cost-saving potential, has prompted one of the most significant trends in technological research to advance this field of knowledge. This Special Edition aims to gather innovative contributions on this topic from perspectives focusing on the design and development of novel solutions that represent a step forward in the integration of systems in smart factories. Specifically, contributions can address aspects of "Design and development of methods, methodologies, or techniques for...":

- Trends and challenges in the development of robotic and hybrid machining solutions.
- Intelligent, intuitive, and robust control to estimate or compensate for trajectory deviations during the additive manufacturing and machining process.
- Methodologies, methods, or techniques for the design of robotic hybrid manufacturing systems.
- Integration of Industry 4.0 technologies to introduce improvements in the implementation of robotic manufacturing process.
- Human-machine interfaces for user interaction and training.

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### Guest Editors

Prof. Dr. José Enrique Ares Gómez

Dr. Iván Iglesias Sánchez

Dr. Luís Pinto Ferreira

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### Deadline for manuscript submissions

closed (31 January 2026)



## Machines

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## About the Journal

### 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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### Editor-in-Chief

Prof. Dr. Antonio J. Marques Cardoso  
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