

## Special Issue

# Intelligent Scheduling and Shop Floor Control in Industrial Systems

### Message from the Guest Editors

Scheduling appears in almost all segments of modern industry, whether that be logistics, project planning, autonomous manufacturing, etc. These related challenges often have characteristics specific to their field, but in general, they involve the allocation of resources to tasks over time, satisfying both temporal and capacity constraints. The objective of scheduling is usually to either check the feasibility of a given solution (simulation), to find a feasible schedule (satisfiability) or to determine the best schedule for one or more objectives (optimization). This Special Issue will accept contributions of theoretical or empirical results regarding scheduling challenges in the fields of machinery and engineering. The topics of emphasized focus are intelligent scheduling and shop floor control. Researchers in these fields are invited to contribute their original, unpublished works. Both research and review papers are welcome.

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 August 2023)



## 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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JCR - Q2 (Engineering, Mechanical) / CiteScore - Q1 (Control and Optimization)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.6 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the second half of 2025).