

Special Issue

Optimization Methods for Advanced Manufacturing

Message from the Guest Editor

Modern manufacturing systems are becoming increasingly complex due to the increasing degree of automation and the flexibility required for producing customized products. The Fourth Industrial Revolution, which is currently under way, will increase the efficiency of production systems by taking advantage of modern technology. However, technology alone is not enough to achieve optimal performance; without efficient algorithms, optimization is impossible. This Special Issue will present methods capable of performing the optimization tasks of today's advanced smart factories. We are looking for approaches that can solve different manufacturing problems with either exact or approximate methods. High-quality papers are welcome to address both theoretical and practical issues.

Guest Editor

Dr. Tibor Holczinger

Department of Applied Informatics, University of Pannonia, 8800 Nagykanizsa, Hungary

Deadline for manuscript submissions

closed (15 January 2025)



Algorithms

an Open Access Journal
by MDPI

Impact Factor 2.1
CiteScore 4.5



mdpi.com/si/210021

Algorithms
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
algorithms@mdpi.com

[mdpi.com/journal/
algorithms](https://mdpi.com/journal/algorithms)





Algorithms

an Open Access Journal
by MDPI

Impact Factor 2.1
CiteScore 4.5



[mdpi.com/journal/
algorithms](https://mdpi.com/journal/algorithms)



About the Journal

Message from the Editor-in-Chief

Algorithms are the very core of Computer Science. The whole area has been considered from quite different perspectives, having led to the development of many sub-communities: Complexity theory (limitations), approximation or parameterized algorithms (types of problems), geometric algorithms (subject area), metaheuristics, algorithm engineering, medical imaging (applications), indicates the range of perspectives. Our journal welcomes submissions written from any of these perspectives, so that it may become a forum for exchange of ideas between the corresponding scientific subcommunities.

Editor-in-Chief

Prof. Dr. Frank Werner

Faculty of Mathematics, Otto-von-Guericke-University, P.O. Box 4120,
D-39016 Magdeburg, Germany

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, ESCI (Web of Science), Ei Compendex, and other databases.

Journal Rank:

JCR - Q2 (Computer Science, Theory and Methods) /
CiteScore - Q1 (Numerical Analysis)