

Special Issue

Machine Learning and Artificial Intelligence in Engineering Applications: 2nd Edition

Message from the Guest Editors

Artificial intelligence is at our doorstep with deep learning processes supported by services and applications incorporated in healthcare, manufacturing, transportation, and logistic systems. This Special Issue aims to emerge new distributed or cloud-based engineering applications, which involve AI algorithms and services targeting holistic, innovative, and sustainable systems supported by deep learning models. We encourage contributors to publish their work related to intelligent information systems, decision support systems, incident response systems, distributed data collection processes, and deep learning/machine learning architectures and algorithms provided as a service, associated with (but not limited to) the following: Deep learning algorithms for logistics, manufacturing; Smart cities automation models, algorithms, and applications; Transportation and services utilizing AI; Augmented reality, virtual reality services, and applications supported by deep learning processes or LLMs; Smart algorithms and deep learning models, provided as services over distributed and cloud-based decision support systems.

Guest Editors

Dr. Sotirios Kontogiannis

MicroComputer Systems Laboratory Team, Department of Mathematics, University of Ioannina, 45110 Ioannina, Greece

Dr. Myrto Konstantinidou

Systems Reliability and Industrial Safety Laboratory, Institute for Nuclear and Radiological Sciences, Energy, Technology and Safety, National Center for Scientific Research "DEMOKRITOS", 15310 Athens, Greece

Deadline for manuscript submissions

30 June 2026



Algorithms

an Open Access Journal
by MDPI

Impact Factor 2.1
CiteScore 4.5



mdpi.com/si/239189

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 Magdeburg, 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)