

Special Issue

Self-Learning and Self-Adapting Algorithms in Machine Learning

Message from the Guest Editors

AI techniques in data models help deal with uncertainties when process models are challenging to obtain. However, considering that either the system or its environment may evolve, the nature and the distribution of the data may change, leading to data model inaccuracy. When this happens, AI techniques can be used to adapt the data model; the challenge then is maintaining an accurate data model. The development of such systems is advanced over time by AI technologies such as Reinforcement Learning, Continuous Learning, Deep Learning and Machine Learning. Nowadays, many application fields, such as gaming, finance, banking, autonomous vehicles, healthcare and robotics, are benefiting from the adoption of this paradigm. This Special Issue aims to bring together the latest achievements and breakthroughs by academia and industry in self-learning and self-adapting systems.

Guest Editors

Dr. Patrizia Ribino

Istituto Di Calcolo E Reti Ad Alte Prestazioni, 87036 Rende, Italy

Dr. Giovanni Paragliola

Institute of High Performance Computing and Networking, National Research Council of Italy, 80131 Naples, Italy

Deadline for manuscript submissions

closed (15 March 2024)



Algorithms

an Open Access Journal
by MDPI

Impact Factor 2.1
CiteScore 4.5

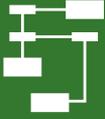


mdpi.com/si/125135

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 core of computational mathematics and computer science. The whole area has been considered from different perspectives, which has led to the development of several sub-communities. The aim is to bring together researchers and practitioners from different areas of computational mathematics and computer science and to offer a platform for interdisciplinary applications in different areas of science and technology. In this way, *Algorithms* may become a forum for the exchange of new stimulating ideas between the different sub-communities working in the area of algorithms and their applications and the presentation of high-quality novel algorithmic approaches.

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)