Special Issue

AI Algorithms for 6G Mobile Edge Computing and Network Security

Message from the Guest Editor

The advent of 6G networks brings a new era of wireless communications, integrating space, aerial, terrestrial, and undersea networks to support massive connectivity and multi-gigabit transmission rates. This evolution aims to provide ubiquitous Internet of Things (IoT) services for machines, mobile devices, and users with various quality-of-service (QoS) requirements while ensuring user privacy and robust network security. However, the proliferation of data traffic and the dynamic conditions of next-generation mobile networks present significant challenges in resource management, latency reduction, and security. Integrating artificial intelligence (AI) into 6G mobile edge computing emerges as a promising solution to these challenges. AI enables intelligent decision making, resource optimization, and adaptive management at the network edge, thereby improving performance, reliability, and scalability. By leveraging AI algorithms, we can process the vast amounts of unstructured data generated by resource-constrained IoT devices efficiently and securely, moving data-intensive tasks from cloud servers closer to the data source.

Guest Editor

Prof. Dr. Yiying Zhang
College of Artificial Intelligence, Tianjin University of Science & Technology, Tianjin 300457, China

Deadline for manuscript submissions

31 January 2026

Algorithms

an Open Access Journal by MDPI

Impact Factor 2.1
CiteScore 4.5

mdpi.com/si/219927

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

mdpi.com/journal/algorithms

Algorithms

an Open Access Journal by MDPI

Impact Factor 2.1
CiteScore 4.5

mdpi.com/journal/algorithms

MDPI

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)