Special Issue

Machine Learning and Artificial Intelligence in Engineering Applications

Message from the Guest Editors

Artificial intelligence is at our doorstep with machine learning services and applications incorporated in industrial, agricultural, energy, financial, healthcare, manufacturing, transportation, and logistic systems. Many engineering systems and applications will benefit from such unsupervised intelligent processes. In addition, natural language processing capabilities and the extensive exploitation of neural networks will provide new human–machine interactions for robotics, agriculture, process and manufacturing, and the transportation industry, while further promoting the extensive use of augmented, virtual, and mixed reality applications. This Special Issue aims to emerge new distributed or cloud-based engineering applications, which involve smart algorithms and services targeting holistic, innovative, and sustainable systems. 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 We look forward to receiving your contributions.

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

closed (15 March 2024)

Algorithms

an Open Access Journal
by MDPI

Impact Factor 2.1
CiteScore 4.5

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)