

Machine Learning and Artificial Intelligence in Engineering Applications

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Message from the Guest Editors

Dear Colleagues,

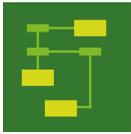
Artificial intelligence is at our doorstep with machine learning services and applications incorporated in industrial, agricultural, energy, financial, healthcare, manufacturing, transportation, and logistic systems.

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.





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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.

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