Methodological and Applied Contributions on Engineering Applications of Artificial Intelligence
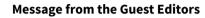
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Deadline for manuscript submissions:
closed (30 April 2024)

Message from the Guest Editors

The development of artificial intelligence methods is leading to increasingly broad use of artificial intelligence in technical systems. However, transport systems, mechanical engineering, power systems, chemical industry and the utilities sector require increased attention to ensure the safe and robust operation of artificial intelligence methods in engineering applications. Therefore, new challenges have arisen related to the collection and correct processing of data of various nature, application of robots and cyber-physical systems, the analysis of the performance indicators of intelligent control systems, and the minimization of risks of undesirable behavior of machine learning models.

The aim of this Special Issue is to collect scientific articles reflecting the latest advances in artificial intelligence applications in complex engineering problems, which includes, but is not limited to, data mining, feature engineering, stochastic optimization, computer vision, pattern recognition, time-series forecasting and machine learning.

High-quality research and reviews are welcome. Particular attention should be paid to the practical application of research results.

Special Issue

Editor-in-Chief

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Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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