

Special Issue

Intelligent Computing and Optimization

Message from the Guest Editors

Intelligent computing has greatly expanded the scope of computing, extending it from traditional computing on data to increasingly heterogeneous computing paradigms. At the same time, the majority of machine-learning methods are based on optimization theory and optimization algorithms, minimizing the intercluster distances or maximizing the Rand index in the cluster analysis, minimizing error in the regression, minimizing error rate in classification problems, etc. This Special Issue aims to be a platform to share the recent advances in topics such as (non-exhaustive list):

- AutoML, self-configuring, adaptive and self-adjusting methods for optimization and machine learning;
- Methods of optimization and machine learning intended for hardware implementation;
- Mathematical optimization;
- Multiobjective optimization;
- Evolutionary computation;
- Fuzzy systems;
- Parallel algorithms for optimization and machine learning;
- Hybrid optimization algorithms and algorithmic combinations;
- Optimizing artificial neural networks;
- Optimization software and decision support systems;
- Applications of intelligent computing.

Guest Editors

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About the Journal

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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