# Intelligent Computing and Optimization

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**closed (31 March 2024)**

## 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.

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**Special** Issue

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## Message from the Editor-in-Chief

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