Intelligent Optimization in Big Data, Machine Learning and Artificial Intelligence

Guest Editor:

Prof. Dr. Jong Soo Kim
Department of Industrial and Management Engineering, ERICA campus, Hanyang University, Ansan 15558, Korea

Deadline for manuscript submissions:
closed (20 March 2022)

Message from the Guest Editor

The importance of efficient algorithms capable of solving real world problems is increasingly being recognized as Industry 4.0 is being realized. As a result, intelligent optimization has emerged as a fundamental tool for handling the tasks of the industrial revolutions that have occurred in big data, machine learning, and artificial intelligence. Intelligent optimization has also become a promising tool for dealing with complex optimization problems encountered in a variety of industries……

The purpose of this Special Issue is to gather a collection of articles reflecting the latest developments of intelligence optimization theories and applications. The fields of interest include operations research and computer science including the issues of big data, machine learning, deep learning, reinforced learning, artificial intelligence, and others.

Keywords

- Classical intelligent optimization algorithms
- Population-based intelligent algorithms
- Hybrid optimization
- Multi-objective optimization
- Big data
- Machine learning
- Artificial intelligence
- Operation research

mdpi.com/si/35713

Special Issue

Editor-in-Chief

Prof. Dr. Francisco Chiclana
School of Computer Science and
Informatics, De Montfort
University, The Gateway,
Leicester LE1 9BH, UK

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), RePEc, and other databases.
Journal Rank: JCR - Q1 (*Mathematics*) / CiteScore - Q1 (*General Mathematics*)

Contact Us