

## Special Issue

# Algorithms for Real-World Complex Engineering Optimization Problems

### Message from the Guest Editors

The primary objective of this Special Issue is to compile a comprehensive collection of cutting-edge research findings in science and engineering on optimization theory, methods, and applications. It also intends to bring together research that uses optimization algorithms to solve complex real-world engineering problems, evaluates their advantages and shortcomings, makes required adjustments to existing approaches, and introduces new algorithms. Original research and review contributions that use evolutionary and metaheuristic optimization algorithms to solve complex and large-scale engineering problems are invited.

- Evolutionary optimization algorithms and variants;
- Metaheuristic optimization algorithms and variants;
- Single- and multi-objective optimization algorithms;
- Many-objective optimization algorithms;
- Constrained and unconstrained problems;
- Artificial intelligence and machine learning;
- Shape optimization algorithms;
- Inverse optimization algorithms;
- Robust optimization algorithms;
- Stochastic optimization algorithms;
- Discrete and combinatorial optimization algorithms;
- Application of algorithms in various real-world engineering problems.

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### Guest Editors

Dr. Colin Johnson

School of Computer Science, University of Nottingham, Nottingham NG7 2RD, UK

Dr. M. Premkumar

Department of Electrical & Electronics Engineering, Dayananda Sagar College of Engineering, Bengaluru, Karnataka 560078, India

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### Deadline for manuscript submissions

closed (31 August 2022)



## Algorithms

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CiteScore 4.5



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*Algorithms*

Editorial Office

MDPI, Grosspeteranlage 5

4052 Basel, Switzerland

Tel: +41 61 683 77 34

[algorithms@mdpi.com](mailto:algorithms@mdpi.com)

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## About the Journal

### Message from the Editor-in-Chief

*Algorithms* are the core of computational mathematics and computer science. The whole area has been considered from different perspectives, which has led to the development of several sub-communities. The aim is to bring together researchers and practitioners from different areas of computational mathematics and computer science and to offer a platform for interdisciplinary applications in different areas of science and technology. In this way, *Algorithms* may become a forum for the exchange of new stimulating ideas between the different sub-communities working in the area of algorithms and their applications and the presentation of high-quality novel algorithmic approaches.

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### Editor-in-Chief

Prof. Dr. Frank Werner

Faculty of Mathematics, Otto-von-Guericke-University Magdeburg, P.O.  
Box 4120, D-39016 Magdeburg, Germany

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