

Special Issue

Metaheuristics Deep Learning for Computer Vision and Image

Message from the Guest Editors

This Special Issue aims to investigate the use and development of algorithms involving metaheuristic methods and all types of deep models in applications that solve computer vision and image processing problems.

TOPICS

We would like to invite researchers to submit contributions on the topic from all viewpoints, including theoretical issues, algorithms, systems, and applications. The Special Issue will cover the following possible topics:

- Image processing, e.g., image enhancement, image compression, image restoration, and image reconstruction;
- Edge detection;
- Image segmentation;
- Object detection;
- Image classification;
- Object tracking;
- Medical image analysis;
- Image denoising;
- Video analysis;
- Neural architecture search;
- Optimizing parameters of deep neural networks;
- Optimizing loss functions of deep neural networks;
- Surrogate-assisted evolutionary deep learning methods;
- Multiobjective metaheuristic deep learning methods;
- Computationally efficient metaheuristic deep learning methods;
- Any other emerging topics in metaheuristic deep learning.

Guest Editors

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Deadline for manuscript submissions



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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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