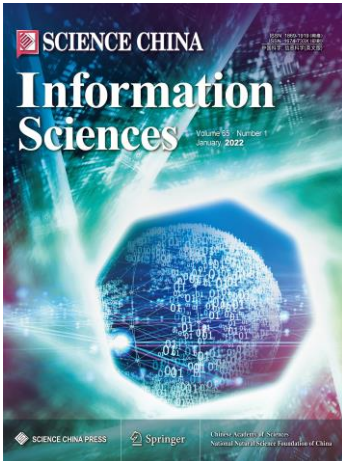


SCIS Call for Papers

Special Topic: Evolutionary Learning and Optimization



A special topic of the SCIENCE CHINA Information Sciences (SCIS, IF: 7.275) will be dedicated to new progresses in evolutionary learning and optimization. Prospective authors are invited to submit their original unpublished research and application works. The main purpose of this special topic is to publish the state-of-the-art **theory, methods and applications** of evolutionary learning and optimization.

All classes of evolutionary computation methods will be considered including (but not limited to): evolutionary algorithms, ant colony optimization, particle swarm optimization, estimation of distribution algorithms and differential evolution. All problem domains will be considered, including (but not limited to): discrete and continuous optimization, single-objective and multi-objective optimization, constrained optimization, non-convex optimization, and optimization under uncertainty (e.g., noisy, dynamic and robust optimization).

We particularly welcome papers at the intersection of evolutionary computation and machine learning, such as the use of evolutionary computation methods to solve complicated optimization problems in machine learning, and the use of machine learning to configure and accelerate evolutionary computation methods.

Topics of interest include, but are not limited to:

- Evolutionary supervised/unsupervised/semi-supervised learning
- Evolutionary feature selection/deep learning/reinforcement learning
- Acceleration of evolutionary optimization by learning
- Evolutionary multi-objective optimization
- Evolutionary constrained optimization
- Evolutionary non-convex optimization
- Evolutionary optimization under uncertainty
- Theory
- Real world applications

Submission

The papers should be edited in the SCIS template, and should be submitted online through the manuscript submission system of the SCIENCE CHINA Information Sciences. The submission website is: <https://mc03.manuscriptcentral.com/scis>. You should choose **Special Topic: Evolutionary Learning and Optimization (2023)**. Information and guidelines on preparation of manuscripts are available on the journal website: <http://scis.scichina.com>.

Important Dates

Submission deadline: **April 30, 2023**

First-round decision notification: 1 month after submission

First online publication: 1 month after acceptance (can be indexed in SCI)

Publication: September 30, 2023

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