



## Evolutionary Computation, Metaheuristics, Nature-Inspired Algorithms, and Symmetry

Guest Editors:

**Dr. Yirui Wang**

Faculty of Electrical Engineering  
and Computer Science, Ningbo  
University, Ningbo 315211, China

**Prof. Dr. Shangce Gao**

Faculty of Engineering, University  
of Toyama, Toyama-shi 930-  
8555, Japan

**Dr. Yang Yu**

College of Automation & College  
of Artificial Intelligence, Nanjing  
University of Posts and  
Telecommunications, Nanjing  
210023, China

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### Message from the Guest Editors

Dear Colleagues,

Computational intelligence is an important branch of artificial intelligence. Nowadays, evolutionary computation as a part of computational intelligence is widely used to solve various numerical problems and real-world engineering problems. Its application and development bring a great contribution to the optimization domain. Thus, it is of great interest to investigate the role and significance of evolutionary computation, metaheuristics, and nature-inspired algorithms in optimizing distinctive problems such as model symmetry/asymmetry, model architecture and hyperparameters, numerical functions, and industrial processing.

This Special Issue aims to bring together both experts and newcomers from either academia or industry to discuss new and existing issues concerning evolutionary computation and optimization. The research topics include single-objective optimization, multi-objective optimization, combinatorial optimization, and real-world problems, as well as industrial control, job-shop scheduling, pattern recognition, and computer vision...





# symmetry



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### **Prof. Dr. Sergei Odintsov**

ICREA, 08010 Barcelona and  
Institute of Space Sciences (IEEC-  
CSIC), C. Can Magrans s/n, 08193  
Barcelona, Spain

## Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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*Symmetry* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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