



symmetry



an Open Access Journal by MDPI

Symmetry in Optimization and Its Applications to Machine Learning

Guest Editors:

Prof. Dr. Hongfeng Wang

College of Information Science and Engineering, Northeastern University, Shenyang 110819, China

Prof. Dr. Rong Jiang

Institute of Intelligence Applications, Yunnan University of Finance and Economics, Kunming 650221, China

Prof. Dr. Xujin Pu

School of Business, Jiangnan University, Wuxi 214122, China

Message from the Guest Editors

This special issue is focused on the methodologies and applications of coping with symmetry in optimization through the usage of concepts of machine learning. Research papers that employ theoretical analysis and/or practical applications in the related scopes are welcomed. Paper devoted to improving the interpretability and the computational efficiency of the symmetry constrained optimization models are also welcomed.

Deadline for manuscript submissions:

closed (15 February 2024)



mdpi.com/si/126166

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Sergei Odintsov

1. Institució Catalana de Recerca
i Estudis Avançats (ICREA),
Passeig Luis Companys, 23,
08010 Barcelona, Spain
2. Institute of Space Sciences
(ICE-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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within SCIE (Web of Science), Scopus, CAPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank: JCR - Q2 (*Multidisciplinary Sciences*) / CiteScore - Q1 (General Mathematics)

Contact Us

Symmetry Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/symmetry
symmetry@mdpi.com
X@Symmetry_MDPI