Special Issue

Symmetry in Optimized Machine Learning Algorithms for Modeling Dynamical Systems

Message from the Guest Editors

The main aim of this Special Issue is to explore what machine learning algorithms can better predict in particular by a structural combination of real dynamical systems. In this Special Issue, we would like to attract leading researchers in these areas in order to include new high-quality results on these topics involving their dynamical properties as well as their symmetry characteristics, both from a theoretical and an applied point of view. Please note that all submitted papers must be within the general scope of the *Symmetry* journal.

Guest Editors

Prof. Dr. Massimiliano Ferrara

Dr. Bruno Antonio Pansera

Dr. Mehdi Salimi

Dr. Ali Ahmadian

Dr. Tiziana Ciano

Deadline for manuscript submissions

closed (31 December 2023)

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About the Journal

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.

Editor-in-Chief

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