Special Issue

Symmetry and Complexity 2020

Message from the Guest Editor

This Special Issue focuses on the most recent advances in calculus, applied to dynamical problems, linear and nonlinear (fractional, stochastic) ordinary and partial differential equations, integral differential equations, and stochastic integral problems, arising in all fields of science, engineering applications, computer science, and other applied fields dealing with complexity. We are soliciting contributions covering a broad range of topics on symmetry and complexity in: Mathematics; Chemistry; Physics; Fluid dynamics and aerodynamics; Unified physical theory; Biology; Nonlinear dynamical systems; Nonlinear science; Engineering application; Chaos; Fractals; Image and data analysis; Computational systems; Artificial intelligence, neural networks; Philosophy, logic, and semantic structures.

Guest Editor

Prof. Dr. Carlo Cattani

Engineering School (DEIM), University of Tuscia, Largo dell'Università, 01100 Viterbo, Italy

Deadline for manuscript submissions

closed (31 July 2020)

Symmetry

mdpi.com/si/37490

mdpi.com/journal/
symmetry

Symmetry

mdpi.com/journal/
symmetry

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

Prof. Dr. Sergei Odintsov
1. ICREA, 08010 Barcelona, Spain
2. Institute of Space Sciences (IEEC-CSIC), C. Can Magrans s/n, 08193 Barcelona, Spain

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)