Special Issue

Chaotic Systems and Nonlinear Dynamics

Message from the Guest Editor

Although recent years have witnessed remarkable developments in the area of chaos theory and nonlinear dynamics, many theoretical problems and practical applications remain to be further explored. This Special Issue is devoted to analyse recent developments regarding chaotic systems and nonlinear dynamics in all fields of science and engineering. Referring to chaos, this Special Issue welcomes papers on continuous-time and discrete-time systems, fractional-order systems and maps, as well as any potential application of chaos in information and industrial engineering. Referring to nonlinear dynamics, this Special Issue welcomes papers dealing with recent discoveries in nonlinear integer-order and fractional-order systems, including the use of nonlinear dynamics in modelling biomedical, social and economic systems. Hardware implementations highlighting advances in chaotic and nonlinear dynamics are also welcomed. Please kindly note that all submitted papers should be within the scope of the journal.

Guest Editor

Prof. Dr. Giuseppe Grassi
Universita del Salento, Lecce, Italy

Deadline for manuscript submissions

closed (12 November 2021)

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Symmetry
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
symmetry@mdpi.com

mdpi.com/journal/symmetry

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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

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

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