

Special Issue

Symmetry, Sustainable Solutions and New Methodologies in Continuous Media and Plasma

Message from the Guest Editor

When studying processes in continuous media and plasma, both full-scale and numerical experiments and theoretical and computational studies based on statistical and stochastic methods are intensively used. At the same time, special attention continues to be paid to the problems of symmetry both in the theory of equations and in the solutions obtained on their basis, and in experiments depending on the regime parameters of the processes under consideration. The aim of the Special Issue is to present the views of scientists on methods of detecting and investigating symmetry in the study of processes in continuous media and plasma, as well as to demonstrate their results in the field of theory, numerical methods, and experiments. There are no restrictions on the volume of articles. This Special Issue will focus on the following areas:

- Questions of symmetry in theoretical studies in liquids and gases;
- Questions of symmetry in theoretical studies in solids;
- Questions of symmetry in theoretical studies in plasma;

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Guest Editor

Prof. Dr. Artur V. Dmitrenko

1. Department of Thermal Engineering, Russian University of Transport «MIIT», Obraztsova Street 9, Moscow 127994, Russia
2. Department of Physics, National Research Nuclear University MEPhI, Moscow, Russia

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

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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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