

Special Issue

Symmetry in Computational Fluid Dynamics

Message from the Guest Editors

The improvement in computational technology due to the increment in data processing speed, data management, and storage, in addition to the development of mathematical numerical methods, has allowed the possibility to develop complex tools for analyzing problems in all science and engineering fields. In this way, Computational Fluid dynamics (CFDs) has become a powerful tool for reproducing many situations computationally without the need to build a real model. Fluids have a wide range of applications; consequently, the understanding of fluid mechanics is essential to every form of technological development, including engineering, industrial, weather, biology, and medical areas. Thus, the motivation for developing this Special Issue is to expose the importance of fluid flow in all scientific areas. It is a pleasure to invite you to submit research related to experimental CFD, including symmetry, asymmetry, and physical or geometrical descriptions of fluid behavior.

Guest Editors

Prof. Dr. Adán Ramírez-López

Department of Industrial Engineering, Technological and Autonomous Institute of Mexico (ITAM), Rio Hondo #1 Col. Tizapan, Mexico City 01080, Mexico

Dr. Massimiliano Marino

Department of Civil Engineering and Architecture, University of Catania, Catania, Italy

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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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