Special Issue

New Advances in Entropy in Computational Fluid Dynamics

Message from the Guest Editors

Turbulence, fluid–structure interaction and complex flow widely exist in many engineering, medical science, environment and other fields; they are very generally nonlinear, dynamic, chaotic and multi-physical fields. Detection, description, analysis, quantification and control of this random-like erratic motion associated with nonlinear dynamical motions and dissipation due to entropy production are very important due to its universality and several unique properties. Considering the recent advances reached in the field of computational fluid dynamics, turbulence modeling and fluid–structure interaction (discovery of hidden physical phenomenon, multistability, mechanical characteristics, etc.) this Special Issue will collect new ideas, new test technology and describe promising methods arising from the field of turbulence or fluid-structure interaction and modeling of complex nonlinear dynamical issues.

Guest Editors

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The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

Entropy is an online open access journal providing an advanced forum for the development and/or application of entropic and information-theoretic studies in a wide variety of applications. *Entropy* is inviting innovative and insightful contributions. Please consider *Entropy* as an exceptional home for your manuscript.

Editor-in-Chief

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