Special Issue

Energy Transfer and Dissipation in Plasma Turbulence

Message from the Guest Editor

This Special Issue aims at collecting current state-of-the-art modeling efforts of turbulence in, e.g., fluids and plasmas and other related fields. The areas of interests are statistical methods, including investigations on entropy and information length, uncertainty quantification, and data-driven or machine learning modeling and theoretical models accounting for or contributing to the understanding of the multiscale problem in turbulence; methods addressing intermittency, coherent structures, and self-organization are also welcome. Another area of interest is the coupling of phases and synchronization in turbulence. The Special Issue of interest include, but are not limited to:

- fluid dynamics
- plasma physics
- energy transfer
- phase synchronization
- entropy
- information length
- statistical mechanics
- intermittency
- coherent structures
- multiscale analysis
- self-organization
- probability distribution functions
- extreme events

Guest Editor

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Message from the Editor-in-Chief

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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