Special Issue

Multiscale Turbulent Transport

Message from the Guest Editors

Turbulent transport is currently a great subject of ongoing investigation at the interface of methodologies running from theory to numerical simulations and experiments, and covering several spatio-temporal scales. Mathematical analysis, physical modelling and engineering applications represent different facets of a classical, long-standing problem still far from achieving a thorough comprehension. The goal of this Special Issue is to offer recent advances covering subjects identified in the keywords (and not only). Authors are welcome to submit regular articles, review papers focused on the state-of-the-art and the progress made over the last few years, as well as new research trends. Dr. Marco Martins Afonso *Keywords*

- Multiscale analysis in turbulent transport processes
- Lagrangian and Eulerian descriptions of turbulence
- Advection of particles and fields in turbulent flows
- Ideal or non-ideal turbulence (unstationary\inhomogeneous\anisotropic\compressi ble)
- Turbulent flows in bio-fluid mechanics and magnetohydrodynamics
- Control and optimization of turbulent transport

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Deadline for manuscript submissions

closed (30 June 2019)



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Message from the Editor-in-Chief

Fluids (ISSN 2311-5521) is an international journal on all aspects of fluids in open access format: research articles, reviews and other contents are released on the internet immediately after acceptance. You are invited to contribute a research article or a comprehensive review for consideration and publication in Fluids. The scientific community and the general public have unlimited free access to the content as soon as it is published. Please consider Fluids as an exceptional, exciting enterprise ready to reward your trust, attention, and active participation.

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