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Turbulent Flow Simulations: Laboratory and Numerical Modelling of Turbulent Flows

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Deadline for manuscript submissions:
closed (15 December 2021)

Message from the Guest Editors

Dear Colleagues,

We invite submissions to Special Issue of "Turbulent Flow Simulations". Turbulence is still an unsolved issue with enormous implications on energy consumption reductions and efficient use of energy. This is true in several fields, from the turbulent wakes on moving objects to the accumulation of heat in the built environment or the optimization of the performances of heat exchangers or mixers.

This Special Issue will deal with novel techniques for turbulent flow simulations and with simulations of topics of interest for the Energies community. Topics of interest for publication include but are not limited to:

- Experimental and numerical simulations of turbulent flows in the environmental, civil, and industrial fields;
- Laboratory simulations and measurement techniques;
- Numerical simulation techniques for turbulent flows;
- Urban microclimate design;
- Turbulent flow control;
- Drag and wake reduction;
- Optimization of mixers and/or heat exchangers;
- Jets and plumes.

Prof. Dr. Simone Ferrari
Dr. Annalisa di Bernardino
Guest Editors

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Special Issue

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Message from the Editor-in-Chief

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