# **Special Issue**

### Turbulent Flow Simulations: Laboratory and Numerical Modelling of Turbulent Flows

### Message from the Guest Editors

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.

Dr. Annalisa di Bernardino

### **Guest Editors**

Prof. Dr. Simone Ferrari Department of Civil-Environmental Engineering and Architecture (DICAAR), University of Cagliari, 09123 Cagliari, Italy

### Dr. Annalisa Di Bernardino

Department of Physics, Sapienza University of Rome, Piazzale Aldo Moro 5, 00185 Rome, Italy

### Deadline for manuscript submissions

closed (15 December 2021)



# Energies

an Open Access Journal by MDPI

Impact Factor 3.2 CiteScore 7.3



mdpi.com/si/51784

Energies Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +4161 683 77 34 energies@mdpi.com

### mdpi.com/journal/

energies





# Energies

an Open Access Journal by MDPI

Impact Factor 3.2 CiteScore 7.3



energies



## About the Journal

### Message from the Editor-in-Chief

*Energies* is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

### Editor-in-Chief

Prof. Dr. Enrico Sciubba Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

### **Author Benefits**

### **Open Access:**

free for readers, with article processing charges (APC) paid by authors or their institutions.

### **High Visibility:**

indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: CiteScore - Q1 (Control and Optimization)