

## Special Issue

# Applied Computational Fluid Dynamics in Energy Systems

### Message from the Guest Editor

This Special Issue will showcase pioneering research across a broad spectrum of energy systems. Topics of interest include, but are not limited to, internal combustion engines, fuel cells, wind and steam turbines, solar thermal collectors, and heat exchangers. Particular emphasis is placed on the application of high-performance computing and computational fluid dynamics (CFD) in advancing our understanding of these systems. We invite contributions that delve into varied CFD computational methodologies, such as finite difference, finite volume, and spectral techniques, and that leverage both commercial and open-source simulation platforms. Studies that aim to optimize energy systems by improving efficiency, minimizing energy losses, and enabling smarter design of propulsion units, engine components, turbines, and heat exchangers are particularly encouraged.

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### Guest Editor

Dr. Francesco Duronio

Dipartimento di Ingegneria Industriale Informazione e di Economia,  
Università degli Studi dell'Aquila, Piazzale Ernesto Pontieri, Monteluco  
di Roio, 67100 L'Aquila, Italy

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### Deadline for manuscript submissions

6 November 2026



## Energies

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*Energies*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[energies@mdpi.com](mailto:energies@mdpi.com)

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## 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.

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### Editor-in-Chief

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

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