

## Special Issue

# Modelling and Computations of Fluid Mechanics for Energy System

### Message from the Guest Editor

CFD modeling is an emerging field, considered to be an indispensable analysis/design tool due to its wide range of applications over the last decade. Practical engineering problems are incredibly difficult to solve, and a high level of ingenuity is required. The ultimate goal is to provide a common platform for model/software developers and users through balanced international/interdisciplinary contributions, disseminating information relating to the development/refinement of mathematical and numerical models, software tools, and their innovative applications in CFD. This Special Issue aims to present and disseminate the most recent advances related to the theory, design, and modeling. **Topics of interest for publication include but are not limited to:**

- Fluid flow and heat transfer;
- Incompressible and compressible fluids;
- Chemical reactions and combustion;
- Supersonic air intake, combustion—scramjet engine;
- Shockwave boundary layer interaction;
- Unsteady flows;
- Fluid–solid interaction;
- Multi-phase flows;
- Fuel cell—PEMFC, DMFC;
- Mixing and transport of heat and species;
- Combustion;
- Turbulence;
- Other relevant topics.

### Guest Editor

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### Deadline for manuscript submissions

closed (3 July 2023)



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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

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