

## Special Issue

# Modelling of Thermal and Energy Systems

### Message from the Guest Editor

This Special Issue focuses on the analysis, design, validation, response, and implementation of Modelling of Thermal and Energy Systems. The topics of interest for the Special Issue include (but are not limited to):

Modelling of thermal systems;

Modelling of complex energy systems;

Thermal correlations Modelling;

Two-phase flow Modelling;

Heat exchangers Modelling and design.;

Modelling of internal combustion engines;

Reliability and failure detection Modelling;

Air conditioning and refrigerant systems;

Computational fluid dynamics (CFD) for thermal and energy systems;

Modelling of thermal processes (evaporation and condensation);

Modelling of energy flows.;

Optimization and efficiency use of energy systems;

Renewable energy models, thermal and PV solar energy, wind, biomass, biofuels, etc.;

Modelling of the desalinization process;

Thermal energy storage Modelling;

Modelling of building energy consumption, isolation of buildings, etc.

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### Guest Editor

Prof. Dr. Francisco Vera García

Department of Thermal and Fluids Engineering, Universidad Politécnica de Cartagena, Cartagena, Spain

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### Deadline for manuscript submissions

closed (31 March 2022)



## Energies

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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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