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Mathematical Modelling of Energy Systems and Fluid Machinery

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Deadline for manuscript
submissions:

closed (31 October 2020)

Message from the Guest Editors

This Special Issue is intended for a collection of contributions about mathematical modelling of energy systems and fluid machinery in order to build and consolidate the base of this knowledge.

Authors are invited to submit papers dealing with all aspects of modelling techniques, from the basics of model development (e.g., problem simplification and translation, model implementation, parameter identification, and model validation) to their applications, for all the purposes of interest in energy conversion (e.g., linear models for optimization, 3D CFD for component design, dynamic modelling for system control development, CAE models for production and digital twins for diagnostics and maintenance). Besides original research papers, historical review papers are particularly welcome since they can contribute to the discussion on consolidated assumptions and methodological approaches in the light of the new capabilities provided by modern ICT.



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Special Issue



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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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