

Special Issue

Recent Advances in Stochastic Methods for Energy Analysis

Message from the Guest Editor

The main aim of this issue would be to collect various works concerning energy analysis methods in mechanical systems with given boundary values and/or initial problems including some uncertainties.

Computational and theoretical case studies starting from civil through mechanical up to aeronautical as well as electric or chemical engineering are invited. Specific applications towards homogenization methods, multi-field and/or multi-scale analyses as well as coupled magneto-electro-thermo-elastic problems are also welcome. A very attractive aspect would be reliability assessments for both time-independent (quality control or experimental statistics) and time-dependent uncertainty problems (like corrosion, fatigue and ageing) in all the above cases, where the energy estimate can be the basis of the limit state function. Probabilistic entropy computations in various engineering systems would be also interesting.

Guest Editor

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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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