Special Issue

Applications of Heuristic Methods to Electrical Power Engineering

Message from the Guest Editor

Heuristic methods are a crucial aspect of any complex algorithm. Power systems analysis and operation are no exception to this rule. Whoever has implemented a routine to solve the power flow analysis through the Newton-Raphson method, for example, knows well that the choice of the initial guess and the convergence criterion are based on heuristics. However, heuristic methods are, more often than not, associated with artificial intelligence and other black-box techniques that do not attempt to investigate the functioning of algorithms, unravel the inner details of theoretical models, or understand the physical behaviour that is described and the assumptions and simplifications that are implied by such models.

Guest Editor

Prof. Dr. Federico Milano

School of Electrical & Electronic Engineering, University College Dublin, Belfield, Dublin 4, Ireland

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Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

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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.

Editor-in-Chief

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

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