Special Issue

Modelling, Control and Optimisation of Complex Energy Systems

Message from the Guest Editor

Energy systems are often complex, ambiguous, and nonlinear. These complex energy systems need computation and their processing has led to the use of modelling, control and optimisation techniques. As such, the energy management, energy efficiency, energy services, renewable energy and alternative energy technology management of complex systems are of great importance and are topics of discussion for this Special Issue. The Special Issue aims to be a leading peer-reviewed platform and will survey the state-of-the-art of this field and mathematical modelling, such as deterministic and nondeterministic including machine learning, stochastic; modern control techniques (classical and intelligent) and optimization algorithms (classical and heuristic), which are deployed to achieve complex energy systems. The Special Issue covers research on energy analysis, energy modelling and prediction, integrated energy systems, energy planning, and energy management to improve energy efficiency. Papers are also welcome on other related topics, such as renewable energy, electricity supply and demand, bioenergy...

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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