Special Issue

Artificial Intelligence for Control Applications in Power and Energy Systems

Message from the Guest Editor

For this Special Issue, original research articles investigating AI-based controllers for applications in power and energy systems are welcome. Considered techniques may include (but are not limited to): machine learning and supervised and reinforcement algorithms, as well as data mining/analysis (e.g. decisions tree, clustering, and regression). Specific attention will be paid to the comparison of methods with conventional approaches. The analysis of the their performances can include an evaluation of their robustness to uncertainties and/or system parameters drifting, as well as the fulfilment of critical constraints. Articles may cover applications including (but not limited to) the following:

- Energy management strategies (bulding and district).
- Distribution grid management fonctions (e.g. voltage regulation).
- Multi energy systems management.
- Energy communities.
- Energy demand management, storage, electrical vehicles, and distribution.

Guest Editor

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Deadline for manuscript submissions

closed (22 May 2023)

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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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