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Artificial Intelligence for Control Applications in Power and Energy Systems

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Deadline for manuscript
submissions:

closed (22 May 2023)

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



mdpi.com/si/1115704

Special Issue



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Message from the Editor-in-Chief

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