Modeling and Control of Nonlinear Dynamic Systems

Message from the Guest Editors

This Special Issue focuses on the latest developments in modeling and control of nonlinear dynamic systems and their application to energy systems. Techniques range from classical modeling and control approaches to intelligent techniques. Potential topics include but are not limited to the following:

- Modeling of nonlinear dynamic energy systems;
- Energy system identification;
- Linear control systems of energy systems;
- State feedback control of energy systems;
- Nonlinear control design of energy systems;
- Robust control of energy systems;
- Adaptive control of energy systems;
- Sliding-mode control of energy systems;
- Nonlinear model-based control of energy systems;
- Intelligent control of energy systems;
- Reinforcement learning-based control of energy systems;
- Deep learning-based control of energy systems;
- Machine learning for energy systems;
- Stability analysis of energy systems;
- Optimization of operation of energy systems;
- Application of artificial intelligence for modeling and control of energy systems;
- New trends in modeling and control of nonlinear dynamic energy systems.

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Deadline for manuscript submissions

closed (10 July 2021)

About the Journal

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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