



Thermodynamic and Thermo-Economic Optimization in Renewable Energy Systems

Guest Editor:

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Deadline for manuscript submissions:

closed (31 October 2021)

Message from the Guest Editor

This Special Issue intends to collect different research works focused on theoretical or applied models for the efficient production of power from renewable sources. Advanced efficient thermal cycles are required in all cases, for heat engines, heat pumps, refrigeration processes or combinations among them.

In this context, researchers are encouraged to submit works to this Special Issue related to the following topics or other close ones:

- Renewable energy technologies;
- Thermodynamic and thermoeconomic optimization
- Entropy minimization;
- Multiobjective multivariable optimization methods;
- Theoretical models for solar applications;
- Concentrated solar power;
- Novel thermodynamic cycles;
- Transcritical and supercritical cycles;
- Thermal energy storage;
- Heat pumps, refrigerators, and engines;
- Pumped heat energy storage systems;
- Materials and thermal properties.





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Message from the Editor-in-Chief

The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

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