Exergy: Analysis and Applications

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Exergy analysis is a powerful thermodynamic technique for assessing and improving the efficiency of processes, devices and systems, as well as for enhancing environmental and economic performance. As a multidisciplinary concept, exergy applications are observed in various fields, including mechanical and chemical engineering as well as economics, management, physics and biology. Consequently, exergy analysis is used increasingly by industries and governments throughout the world, particularly with the aim of improving energy sustainability. Research and review articles on all facets of exergy and its applications, and on exergy-related topics, are sought for this special issue.

Marc A. Rosen
Guest Editor

Special Issue

Editor-in-Chief

Prof. Dr. Kevin H. Knuth
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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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