Special Issue

Advances in Thermal System Analysis and Optimization

Message from the Guest Editor

The importance of thermal systems, which include, not only the traditional power plants and jet engines, but also electronic cooling systems, requires us to continuously make them better. There is no doubt that the energy efficiency needs to be high. Therefore, it is critical to conduct a though analysis and reach a solution for all these needs. Furthermore, advances can be made by looking for some innovative ideas for cycles, such as the Organic Flash Cycle (OFC), and taking advantage of new technologies, such as nano fluids. This Special Issue is to highlight the recent advances in the analysis and optimization of all these systems. The contribution can be originated from experimental study, numerical simulation, or theoretical modeling. The research topics can include, but are not limited to, the analysis of: Simple and combined power cycles, innovative cycle for low-graded or waste energy, envelope of building energy, electronic cooling/thermal management, advanced usage of renewable energy, and emission reduction in combustion.

Guest Editor

Prof. Dr. Xianchang Li

Department Mechanical Engineering, Lamar University, Beaumont, TX 77710, USA

Deadline for manuscript submissions

closed (30 September 2017)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/7155

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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