Special Issue

Cogeneration Systems: Measurements, Data Analysis, Modelling and Control

Message from the Guest Editors

Cogeneration systems based on fuel cells, ORC systems, microturbines, gas turbines, combined cycles, steam cycles, gas engines, and Stirling engines powered by alternative fuels are currently one of the most promising technologies affecting the sustainable development of low-carbon economies. This Special Issue will be devoted to experimental research, the application of new solutions, modeling, and calculation methods in the following areas:

- Predictive control, machine learning, neural network simulation, and optimization of cogeneration systems;
- Thermodynamic and exergetic analyses of cogeneration systems;
- Cooperation and integration of cogeneration systems with renewable energy sources;
- Reliability analysis of cogeneration systems;
- Diagnostics of cogeneration systems;
- Energy conversion and management of cogeneration systems;

Guest Editors

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Deadline for manuscript submissions

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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

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