Special Issue

Modern Approaches in the Design of Processes and Equipment in Energy Industry

Message from the Guest Editor

It is difficult to imagine a modern society without an energy industry. Its constantly expanding role is accompanied by the gradual replacement of traditional approaches to designing processes with modern ones. This applies to all areas of the energy industry, including energy-saving approaches and technologies, the optimal use of renewable energy sources, integration of energy processes, systems and equipment, advanced design of technologies, processes and individual equipment, and their details and materials. Modern energy equipment is characterized by its high compactness, low weight, high performance, and reliability. In addition, contemporary energy processes involve a high level of monitoring, measurement and control of individual systems and equipment, and reliable diagnostic techniques. This Special Issue aims to present and disseminate the latest advances in the theory, design, modeling, application, control, and condition monitoring of modern processes and equipment in the energy industry.

Guest Editor

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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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