



energies



an Open Access Journal by MDPI

Advanced Control Systems and Mechatronics for Improving Energy Efficiency

Guest Editors:

Dr. Ali Razban

Department of Mechanical and
Energy Engineering, Indiana
University-Purdue University
Indianapolis, Indianapolis, IN
46202, USA

**Prof. Dr. Bhaskaran
Gopalakrishnan**

Industrial and Management
Systems Engineering, West
Virginia University, Morgantown,
WV 26505, USA

Deadline for manuscript
submissions:

closed (25 July 2023)

Message from the Guest Editors

Dear Colleagues,

In recent years, there have been increasing concerns regarding increases in energy demand and global warming, and reductions in greenhouse gases. To reduce carbon dioxide emissions, energy consumption must be reduced by improvements in energy efficiency in the industrial and commercial sectors. Better-controlled performance, improvements in energy intensity and significantly reduced energy consumption are the goals of many manufacturing and commercial facilities. The integration of a monitoring system, data analytics, fault diagnosis and advanced control techniques would increase energy savings.

This proposed Special Issue aims to highlight all relevant aspects of the advanced control, monitoring, and system integration of energy systems related to their theory, design, modelling, data analytics methods and application in energy efficiency improvement applications. The focus will be on the most innovative approaches in terms of challenges, requirements, methodologies, technologies, and smart applications.

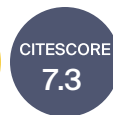


mdpi.com/si/154183

Special Issue



energies



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Industrial Engineering, University
Nicolò Cusano, 00166 Roma,
Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPus / SciFinder, and other databases.

Journal Rank: CiteScore - Q1 (Control and Optimization)

Contact Us

Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/energies
energies@mdpi.com
[X@energies_mdpi](https://x.com/energies_mdpi)