



an Open Access Journal by MDPI

# Automation, Control and Energy Efficiency in Complex Systems

Guest Editor:

### Dr. Hamid Khayyam

Department of Mechanical and Automotive Engineering, School of Engineering, RMIT University, Melbourne, VIC 3083, Australia

Deadline for manuscript submissions: closed (30 December 2019)

## Message from the Guest Editor

It is well established that engineering systems are often complex, uncertain, and nonlinear. These complex systems are in great need of computation and their processing has led to the use of automation control. As such, the energy efficiency of complex systems is of great importance and is the topic of discussion for this Special Issue.

The Special Issue aims to be a leading peer-reviewed platform and surveys the state-of-the-art and modern automation control techniques, and optimization algorithms, which are deployed to achieve complex energy efficiency. The Special Issue covers research on energy analysis, energy modelling and prediction, integrated energy systems, energy planning, and energy management to improve energy efficiency. In addition, papers are welcome on other related topics, such as renewable energy, electricity supply and demand, bioenergy, robot, vehicle, energy storage, energy conservation, energy in buildings, industrial and residential within the context of the broader automation control and energy efficiency...









an Open Access Journal by MDPI

## **Editor-in-Chief**

#### Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University Niccolò 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, CAPlus / 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