Special Issue

Maximum Duration Life (MDL) Approach: A Tool to Maximize the Energy Peformance of PV Systems

Message from the Guest Editors

In PV applications, a new challenge is based on the following idea: “the maximization of the extracted power, when it is obtained at the price of too severe thermal stresses, is to be avoided”. It may be preferable to give up part of the available energy today to gain a greater amount of energy tomorrow. This Special Issue aims to address the above challenge—a challenge that may be faced through the development of algorithms, techniques, and architectures able to identify the optimized solution, allowing for the desired compromise between energy efficiency and the mitigation of thermal stresses associated with mismatching conditions. The topic is of great interest for researchers in the fields of aerospace engineering, electrical engineering, electronic engineering, environmental engineering, industrial engineering, mechanical engineering, and so on.

Guest Editors

Prof. Dr. Marco Balato

Department of Electrical and Information Technologies, University of Naples “Federico II”, Via Claudio 21, 80125 Naples, Italy

Prof. Dr. Carlo Petrarca

Department of Electrical and Information Technologies, University of Naples Federico II Via Claudio 21, Napoli, NA, Italy

Deadline for manuscript submissions

closed (30 November 2020)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/42152

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

mdpi.com/journal/energies

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/journal/energies

About the Journal

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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

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)

MDPI