

Special Issue

Optimal Scheduling and Intelligent Energy Management Strategies for Electric Vehicle Charging Stations

Message from the Guest Editors

This Special Issue focuses on optimal scheduling and intelligent energy management strategies for electric vehicle charging stations (CSs). Topics of interest for publication include, but are not limited to, the following:

Optimal scheduling methods for EVs;

Artificial intelligence applied to power flow in EV charging stations;

EV charging infrastructure;

Demand-response and V2G;

Decentralized framework for bidirectional operation of EVs;

Integration of renewable energy sources and EV network;

EV electricity market (day-ahead, real time, etc.);

Intelligent energy management systems for EV charging stations;

Advanced flexibility strategies for EV charging/discharging;

EV integration in residential/private/community buildings and self-consumption;

Electric vehicle planning and operation in the smart grid;

Distributed/decentralized V2G/G2V scheduling of EVs.

Guest Editors

Prof. Dr. Komla A. Folly

School of Electrical Engineering, The University of Cape Town, Cape Town 7701, South Africa

Dr. N Kumarappan

Department of Electrical Engineering, FEAT, Annamalai University, Annamalai Nagar 608 002, Tamil Nadu, India

Deadline for manuscript submissions

closed (31 August 2023)



Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



mdpi.com/si/95088

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

[mdpi.com/journal/
energies](https://mdpi.com/journal/energies)





Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



[mdpi.com/journal/
energies](https://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)