



Data Mining Applications for Charging of Electric Vehicles II

Guest Editors:

Prof. Dr. Ľuboš Buzna

Faculty of Management Science
and Informatics, University of
Žilina, Žilina, Slovakia

Dr. Pasquale De Falco

Department of Engineering,
University of Napoli Parthenope,
80133 Naples, Italy

Deadline for manuscript
submissions:

closed (18 September 2024)

Message from the Guest Editors

Electric mobility has the potential to improve energy security and mitigate greenhouse gas emissions. Recent data and available outlooks indicate continuous growth of electric vehicle sales and penetration. However, the share of EVs on roads compared to vehicles with an internal combustion engine, is still fairly small. The large-scale deployment of EVs is associated with significant policy, technical, environmental, and planning challenges, indicating the need for methods that are able to provide efficient and reliable support for decision-making to guide the transition toward higher penetration of EVs.

The main aim of this Special Issue is to gather novel data-centric methods and applications by combining modeling with field data in the following, but not limited to:

- Assessment of EV impacts, such as economic, environmental, technical, social, etc. impacts
- Integration of EV charging into smart grids
- EV load forecasting
- EV sales forecasting
- EV charging infrastructure planning
- Charging strategies for EVs in public transport
- Data-driven approaches to battery management
- EV users' charging behavior
- EV users' attitude analyses
- EV charging data management





energies



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 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](https://twitter.com/energies_mdpi)