Special Issue

Data Mining Applications for Charging of Electric Vehicles II

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

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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.

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