

Special Issue

Energy Management System and Multicriteria

Message from the Guest Editors

Most recent studies show that the main goal in energy management systems is to minimize the cost associated with electric energy consumption without considering the preferences/needs of end consumers. Therefore, it is possible to state that these works do not consider the actual difficulty of the problem. The HEMS, through the energy management controller, determines an optimized timeline for each appliance through optimization techniques related to, Artificial Intelligence, Business Analytics, and Business Intelligence, thus ensuring a more economic scenario for end consumers. This Special Issue aims to introduce a new thematic energy management system and multicriteria. Potential topics include but are not limited to the following:

- Innovations applied to information and communications technologies in-home energy management systems;
- New perspectives for the provision of the energy management system;
- Optimization tools for the elaboration of the energy management system;
- Optimization models for energy management system in smart cities and intelligent villages context;
- Optimization models for the energy management systems and the question of one-off instances of emergency.

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