

## عنوان مقاله:

Multi Criteria Decision Making Framework for Energy Management programs Implementation with regards to technical and economic criteria

## محل انتشار:

سومین کنفرانس بین المللی مهندسی برق، مهندسی مکانیک، کامپیوتر و علوم مهندسی (سال: 1398)

تعداد صفحات اصل مقاله: 11

## نویسندگان:

Farid Moazzen - Shiraz University of Technology

Mohsen Gitizadeh - Shiraz University of Technology

## خلاصه مقاله:

Energy and its consumption have become one of the main concerns of decision - makers in different societies in today's world. The lack of resources at one hand and the dispersion of pollutants on the other highlight the importance of making accurate decisions in this area. Such decisions must be made on the basis of important criteria of the corresponding divisions. In this paper, different decision-making methods have been reviewed and a suitable framework for selecting applicable energy management plans is presented. This framework is capable of taking a variety of criteria into account. Herein, technical and economic criteria have been considered and the proposed framework determines the best decision in terms of technical and economic benefits. In order to decide and select the programs, Multi criteria decision making (MCDM) methods have been used. Among the relevant methods, a weighting method and a suitable ranking method are proposed. These methods allow the Decision Maker (DM) to identify and apply the most profitable program according to their desired criteria. In order to evaluate the practical implementation of the proposed framework, a numerical, realistic example for the selection of accountability programs has been reviewed as well.

## کلمات کلیدی:

Energy management, Multi-criteria decision making, Demand Response

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/933212>

