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Feature Issue on Interactive Multiple Criteria Decision Making

Guest Editors

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Motivation

Innovative interactive multiple criteria decision making (MCDM) approaches started to appear in early 1970s. Early approaches typically tried to converge to preferred solutions by restricting the solution space or the weight space, or by providing tools to search the desired parts of the solution space. There has been a wide interest in interactive approaches since then and an extensive literature has been developed.

Interactive approaches have important impacts on the decisions as they include the decision makers throughout the process. Being involved throughout the process enhances the decision maker's learning about his/her preferences as well as the extent of the available solutions. This not only provides insights and leads to more informed decisions, but also increases the decision maker's confidence in the decisions he/she makes.

There have been many applications as well as developments of exact and heuristic interactive MCDM approaches. Visualizations have been increasingly employed in interactive approaches in order to capture the decision-maker preferences better.

Despite the extensive developments in interactive MCDM approaches, there is room for new methodological studies and practical applications. Especially studies that aim to aid the decision makers in articulating their preferences utilizing the advances in information technology and visualization techniques may increase the use of interactive methods in practical problems.

Contents

This Feature Issue aims to publish a collection of original papers on interactive MCDM. Methodological developments and practical applications involving interactive MCDM with heuristics or exact approaches are welcome. High quality manuscripts developing new theory, algorithms, empirical studies, and real life applications in the context of interactive MCDM that highlight the process of decision making are especially encouraged to be submitted.

Although this Feature Issue is planned on the occasion of the 24th International Conference on MCDM, it is not limited to the research that has been presented at the conference.

Schedule

Prospective authors are invited to submit full papers via the EJD^P electronic submission system (<https://www.editorialmanager.com/ejdp>) selecting article type *SI: Interactive Multiple Criteria Decision Making*. The planned timeline is as follows:

- Paper Submission Due: November 1, 2017
- Review Results of Round 1: March 1, 2018
- Revised Manuscript Due (if applicable): April 1, 2018
- Final Decision: July 1, 2018
- Publication of the Feature Issue: October 2018