

CALL FOR PAPERS
International Journal of Information Technology & Decision Making
Special Issue on
Multi-objective Combinatorial Optimization

Guest Editors

Murat Köksalan (koksalan@metu.edu.tr), Middle East Technical University, Ankara, Turkey
Banu Lokman (lbanu@metu.edu.tr), Middle East Technical University, Ankara, Turkey

Aim and Scope

Optimization problems arise naturally in almost all branches of organizations such as production, logistics, communication, telecommunication, energy, and transportation systems. In today's complex systems, the decision makers (DMs) usually have to deal with multiple criteria that are conflicting with each other. Hence, multi-objective integer programs (MOIPs) have many applications in a variety of areas. Multi-objective combinatorial optimization problems are MOIPs that have special structures. Although there are recent approaches that generate all nondominated points or a set of points that approximates the nondominated set, there is still a room for improvement considering practical applications.

This call for papers is for a special issue of International Journal of Information Technology and Decision Making dedicated to high quality papers on multi-objective integer programs and multi-objective combinatorial optimization problems. The special issue is open to all contributions developing new theory, algorithms and applications. Exact methods, approximation methods, heuristics and metaheuristics and interactive methods are all welcome. The papers that are presented at the 24th International Conference on MCDM are especially encouraged to be submitted but the special issue is not limited to those that have been presented at the conference.

Submission

Authors are invited to submit their manuscripts online at Editorial Manager, of International Journal of Information Technology & Decision Making (IJITDM):

<http://www.editorialmanager.com/ijitdm/>.

When submitting the manuscript, "Special Issue Paper" should be selected as article type, and "Special Issue on Multi-objective Combinatorial Optimization problems" should be selected as Section/Category.

Important Dates

Paper Submission Due: November 15, 2017

Review Results of Round 1: April 15, 2018

Revised Manuscript Due (if applicable): July 15, 2018

Review Results of Round 2 (if applicable): September 15, 2018

Revised Manuscript Due (if applicable): December 15, 2018

Final Decision: February 15, 2019

Publication: May 15, 2019