

# CALL FOR PAPERS

## International Journal of Multicriteria Decision Making (IJMCDM)

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Special Issue on: '*Multi-criteria Decision Aid and Artificial Intelligence*'

### Guest Editors

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The objective of this special issue is to publish recent advances and applications related to the combination of methods from MCDA (Multi-Criteria Decision Aid) and AI (Artificial Intelligence). MCDA and AI have evolved significantly over the past two decades, as two separate fields. Nevertheless, there are similarities between them, especially in the areas of learning, decision and prediction from data. The development of hybrid models and methods can take advantages from both approaches.

Although we strongly encourage authors who presented work in these areas at the 75th Meeting of the European Working Group on MCDA (held in Tarragona from 12 to 14 April 2012) to submit their manuscripts, this Call for Papers is also open to the entire community of academics and practitioners and we welcome all suitable submissions on the topics below.

### Subject Coverage

The main topics for this special issue include but are not limited to (both theoretical and applied papers are accepted):

- Intelligent decision support systems
- Recommender systems using MCDA techniques
- Uncertainty models in decision making (e.g. probabilistic, fuzzy, rough sets)
- Representation and management of linguistic information
- Decisions in the Semantic Web
- AI techniques for user profile representation and exploitation
- Preference learning: machine learning and statistical learning
- AI methods revised to include the user's preferences (e.g. clustering or classification)
- Knowledge-based MCDA
- Aggregation operators and information fusion
- Group decision making (e.g. social choice, consensus measures)
- Optimisation methods in AI

### Notes for Prospective Authors

All papers are refereed through a double blind process. A guide for authors, sample copies and other relevant information for submitting papers are available at [www.inderscience.com/papers](http://www.inderscience.com/papers)

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere.

### Important Dates

The deadline for submission is:

30th October 2012

### Editors and Notes

Authors may submit a single manuscript online by registering at <http://www.inderscience.com/ospeers/authorregister.php>, following the onscreen instructions. Details for preparing the manuscript can be found at [www.inderscience.com/guidelines](http://www.inderscience.com/guidelines). The average size for the paper is around 15-20 pages.