

International Journal of Approximation Reasoning
Call for Papers
Special Issue on
Decision-Theoretic Rough Sets

Submission Deadline July 15, 2012

Guest Editors:

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Background and Special Issue Purpose

Proposed in early 90's, the decision-theoretic rough set model (DTRS) aims to loosen restrictions of conventional rough approximations. It is one of most important probabilistic rough set models. DTRS has gained research attention in recent years. Based on the well established and semantically sound Bayesian decision procedure, DTRS has been successfully applied to many research domains, such as data analysis and data mining, feature selection, information retrieval, and web-based support systems.

This special issue of the *International Journal of Approximation Reasoning* will provide a forum for scholars studying the decision-theoretic rough set model to contribute to the conversation. The editors invite authors to submit theoretical and empirical papers on the topic listed below.

Topics

The scope of this special session include the following, but not limited, topics,

Applications of decision-theoretic rough sets

Bayesian rough set models

Decision-makings based on decision-theoretic rough sets

Extensions of decision-theoretic rough sets

Game-theoretic rough sets

Probabilistic rough set models

Deadlines, Submission and Review Process:

Publication of the special issue is planned for early 2013. Original submissions are due by July 15, 2012, and must be made using the Elsevier's EES submission process described at <http://ees.elsevier.com/ija/>. Early submission is welcome. We will start review process once we have your submission. Authors should indicate that they would like submission to be considered for the special issue on "Decision-Theoretic Rough Sets." Authors of conditional accepted manuscripts are expected to have further reviews and revisions based on reviews' comments.

Tentative timetable:

July 15, 2012. Submission deadline

Oct 1, 2012. Notice of conditional acceptance

Nov 15, 2012. Submission of 1st revision

March 1, 2013. Final version submission