

Special Session on Near Sets: Foundations and Applications

Nowadays, rough set methodology is widely recognized to have a great importance in several fields, such as granular computing, data mining and approximate reasoning. The near set approach is a methodology for identifying and assessing the similarity of objects and sets of objects. This approach grew out of research with rough sets by J.F. Peters and a number of others during the first decade of this century. Despite a number of similarities to rough set theory, the theory of near sets is especially well-suited for tasks where the desired output mimics the human ability to quantify the degree in which sets of objects are similar. This is witnessed by the increasing number of papers about near sets and by the implementation of real-life applications based on near sets. Since the theory is quite young, there is a need to discuss the foundations of near sets, both logical and mathematical, as well as applications. In order to present the state-of-the-art scientific results and to start a fruitful discussion about near sets from the theoretical and practical standpoint, the special session on near sets will be organized at the conference Rough Sets and Knowledge Technology, held in Banff, Canada from 9-12 October.

If you are interested in presenting a paper, please submit a short (1 page maximum) abstract to the organizers of the special session. The authors of accepted abstracts will be invited to write and submit their full papers via our electronic paper submission system. The URL for paper submission system is <https://www.easychair.org/account/signin.cgi?conf=rskt11>. All submitted papers will be reviewed on the basis of technical quality, relevance, significance, and clarity. Each paper should have no more than ten (10) pages in the Springer-Verlag LNCS style, including figures, tables and references. Springer-Verlag author instructions are available at <http://www.springer.com/lncs>. All accepted papers will be published in the main conference proceedings. It is also expected that one of the authors will present their paper at the special session.

Important Dates:

- Abstract submission due: December 15, 2010
- Abstract acceptance notification: January 2011
- Full paper submission due: March 20, 2011
- Paper acceptance/rejection notification: May 20, 2011
- Camera ready submission and registration: July 6, 2011
- Conference: October 9 -12, 2011

Session Organizers:

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Please send your abstract (in PDF) to Marcin Wolski (marcin.wolski@eranet.pl) and Christopher Henry (ch.henry@uwinnipeg.ca) by December 15, 2010.

We look forward to your participation at RSKT 2011.