

CALL FOR PAPERS

Special Issue on Medical Image Annotation in Pattern Recognition Letters



Guest Editors:

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Call for Papers:

Automatic annotation of medical images is an important task allowing medical practitioners to access image data using textual queries. As part of ImageCLEF 2007, an automatic medical image annotation benchmark evaluation was performed with great interest.

The medical annotation task was first executed in ImageCLEF in 2005 and 2006. In 2007, the task comprised 11,000 training and 1,000 test images which had to be annotated according to a multi-axial, mono-hierarchical code.

With this special issue, we wish to summarize the efforts made in order to run the evaluations and the methods that were applied to solve the task. We wish to explore the effectiveness of the methods and give an insight into the problems that are still not solved:

- Are current image analysis techniques appropriate for automatic annotation of medical images?
- Do we need new techniques to solve this important issue? What are the challenges when it comes to medical images?

This special issue of Pattern Recognition Letters is inviting contributions from the participants of the ImageCLEF automatic medical image annotation tasks of 2005, 2006, and 2007. It will focus on the results from 2007 and the issues surrounding it.

Topics:

Potential topics include (but are not limited to) the following:

- analysis of the results of the evaluations
- methods that were successfully applied to the task
- theoretical and/or practical insights into the problems for the task of medical image annotation
- applicability of the techniques in praxis

Pattern Recognition Letters aims at rapid publication of concise articles of a broad interest in pattern recognition. Pattern Recognition Letters is published by Elsevier. More information on this journal can be found at <http://www.elsevier.com/bcate/patrec>.

Submission:

Papers should be submitted through the manuscript management system at <http://ees.elsevier.com/patrec/>. Formatted according to the guidelines available from that site. Papers should be submitted to the online system, selecting the "IMAGECLEF 2007" special issue as article type.

Important dates:

- Full Paper submission: November 18, **2007**
- Response to the authors: February 4, 2008
- Final Decisions/Author Notifications executed: April 2008
- Special Issue Print Preparation: June 1, 2008

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This call for papers is available online at <http://www.imageclef.org/?q=prlsi>