



CALL FOR PAPERS

The 8th IAPR-TC15 Workshop on Graph-based Representations in Pattern Recognition (Gbr2011)

May 18-20, 2011, Münster, Germany

Co-Chairs

Xiaoyi Jiang
Department of Computer
Science
University of Münster
Münster, Germany

Miquel Ferrer
Institut de Robòtica i
Informàtica Industrial
Universitat Politècnica de
Catalunya
Barcelona, Spain

Andrea Torsello
Department of Computer
Science
University of Ca'Foscari
Venice, Italy

Local Organizing Committee

Hildegard Brunstering
Michael Fieseler
Lucas Franek
Fabian Gigengack
Michael Schmeing
Daniel Tenbrinck

Workshop Website:

<http://cvpr.uni-muenster.de/Gbr2011/>

Inquiries:

gbr-11@uni-muenster.de

Scope:

Gbr is a biennial workshop organized by the 15th Technical Committee of IAPR, aimed at encouraging research works in Pattern Recognition and Image Analysis within the graph theory framework. This workshop series traditionally provides a forum for presenting and discussing research results and applications in the intersection of pattern recognition, image analysis on one side and graph theory on the other side. In addition, given the avenue of new structural/graphical models and structural criteria (e.g. belief-propagation, specific graphs under the constellation approach, graph kernels, graph-cuts, dominant sets) for solving computer vision problems, Gbr2011 organization encourages researchers in this more general context to actively participate in the workshop. Furthermore, the application of graphs to pattern recognition problems in other fields like computational chemistry and bioinformatics is also highly welcome at the workshop.

The scope of Gbr2011 includes, but not limited to, the following topics:

- Graph matching
- Graph based image segmentation
- Irregular (graph) pyramids
- Graph representation of shapes
- Graph learning and clustering
- Graph based learning
- Graphs vs rigid structures (quadrees, pyramids)
- Graph transformations
- Data mining with graphs
- Kernel methods for graphs
- Belief-propagation methods
- Graph-cuts methods
- Graphs in constellation models
- Graph in computational chemistry and bioinformatics

Paper Submission:

Papers must be formatted in the LNCS format. Paper submission instructions can be found at the workshop website.

Publication:

The Workshop Proceedings will be published in the Springer *LNCS* series. A Special Issue with selected best papers will be printed in *Pattern Recognition Letters* (Elsevier).

Important Dates:

Paper submission: January 10, 2011
Author notification: February 15, 2011
Final manuscript due: March 6, 2011

