



## BIOMEDICAL IMAGE ANALYSIS

A special track of the *INTERNATIONAL SYMPOSIUM ON VISUAL COMPUTING 2006 (ISVC06)*

<http://www.isvc.net>

### Rationale

With the advancement of medical imaging systems and technologies, computers are playing an increasingly important role in the *visualization, understanding and utilization* of the resulting images. Biomedical image analysis focuses on the computational challenges that arise in performing these tasks, which call for expertise spanning multiple areas including computer vision, computer graphics, visualization and robotics. The goal of this special track is to bring together researchers in both biomedicine and computational sciences and to promote development of novel tools and methods for more efficient, accurate and robust analysis of biomedical images.

### Topics

Topics of interest include all aspects of biomedical image analysis including, but not limited to, the following areas (listed in alphabetical order):

- Anatomical atlases and model-matching
- Deformable modeling
- Feature detection and tracking
- Image-guided diagnosis and interventions
- Image segmentation and registration
- New applications of biomedical imaging
- Shape and motion estimation
- Three-dimensional reconstruction and analysis
- Quantitative measurement

### Submission/Proceedings

This is an open call-for-papers. Only original, high-quality papers, in-line with the ISVC'06 standard guidelines (<http://www.isvc.net/author.html>), will be considered for publication in this special track. Prospective authors should submit electronically their contributions through the website of ISVC'06. Accepted papers will appear in the symposium proceedings which will be published by Springer-Verlag in the Lecture Notes in Computer Science (LNCS) series.

### Important Dates

**Submission deadline:** June 19, 2006

**Notification of acceptance:** July 31, 2006

**Camera-ready version:** August 14, 2006

**Advance Registration:** August 14, 2006

### Organizing Committee

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