Deformable Models: Theory and Applications

A Special Track of the

8th International Symposium on Visual Computing (ISVC'12)

http://www.isvc.net

July 16-18, 2012, Crete, Greece

Scope:

Since their emergence in the mid 1980s, deformable models have attracted intensive research in the areas of computer vision, computer graphics, and biomedical image analysis. In this special track, we seek high quality papers describing new theory and algorithms, novel applications, and state-of-the-art-surveys on deformable models. Our goal is to foster discussion on the recent advances and future research directions related to deformable mode-based processing, analysis and simulation.

Topics:

The topics of interest include but are not limited to the following areas:

- New deformable model methodologies
- Deformable models for image segmentation
- Deformable models for matching and registration
- Deformable models for tracking
- Deformable models for texture analysis
- Deformable models for graphics and animation
- Deformable models for surgical simulation
- Level set methods and applications
- Adaptive deformable models
- Interactive techniques for deformable models
- Statistics and priors for deformable models
- GPU-based deformable model implementations
- Geodesic active contours and regions
- PDE-based deformable models
- Deformable models in biomedical imaging
- Multi-modality and deformable models

Paper Submission Procedure:

Papers submitted to ISVC 2012 Special Track must not have been previously published and must not be currently under consideration for publication elsewhere. Manuscripts should be submitted in camera-ready format and should not exceed **12 pages**, including figures and tables (see http://www.isvc.net

for details). All papers accepted will appear in the symposium proceedings which will be published by **Springer-Verlag** in the **Lecture Notes in Computer Science (LNCS)** series.

Important Dates:

Paper submissions	May 7, 2012 (Extended)
Notification of acceptance	June 4, 2012
Final camera ready paper	June 18, 2012
Advance Registration	June 18, 2012
ISVC'12 Symposium	July 16-18, 2012

Organizers:

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