



Sparse methods for computer vision, graphics and medical imaging

**A Special Track of the
9th International Symposium on Visual Computing (ISVC'13)**

<http://www.isvc.net>

July 29-31, 2013, Crete, Greece

Scope:

Sparsity-based compressive sensing and sparse learning have been widely investigated and applied in machine learning, computer vision, computer graphics and medical imaging. The goal of this special track is to publish novel theory, algorithms and applications on sparse methods for applications in these areas. It will foster dialogue and debate in this relatively new field, which includes Compressive Sensing (CS), Sparse Learning (SL) and their applications to these areas.

Therefore, the proposed Special Track will gather researchers representing the various fields of machine learning, computer Vision, computer graphics, medical image analysis, mathematics and statistics. This track attempts to establish a bridge between researchers from these diverse fields. The track issue will consist of previously unpublished papers according to ISVC guidelines.

Topics:

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

- Compressive sensing MR and other medical imaging
- Sparse representation and its applications
- Dictionary learning techniques and their applications
- Structured and group sparsity
- Statistical analysis
- Convex optimization based on sparsity priors
- General applications in computer vision, such as face recognition, emotion recognition, sign language recognition, super-resolution, tracking
- General applications in graphics, such as geometry processing, modeling and simulation
- General applications in medical image analysis, such as segmentation, registration, modeling, detection, etc.

Paper Submission Procedure:

Papers submitted to ISVC 2013 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 10, 2013
Notification of acceptance	June 10, 2013
Final camera ready paper	June 28, 2013
Advance Registration	June 28, 2013
ISVC'13 Symposium	July 29-31, 2013

Organizers:

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