

# Call for Papers

## Structured Models in Computer Vision

Workshop at CVPR 2010, June 14th, San Francisco, USA

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URL: <http://SMiCV2010.kyb.tuebingen.mpg.de/>

### **Overview**

A central question in Computer Vision is how human prior knowledge can be integrated in order to build efficient and accurate learning systems. Computer Vision and Machine Learning Researchers have come up with many different models to incorporate their prior knowledge about the domain structure - such as probabilistic graphical models, conditional random fields, or structured support vector machines - which have been applied successfully to many different areas of application. The goal of this workshop is to bring together researchers from different directions of Computer Vision and Machine Learning, and to stimulate the discussion about the shared concepts, the recent progress and the remaining problems of learning and inference algorithms for structured representations in Computer Vision.

### **Workshop Format**

The workshop will be a one-day event with one morning and two afternoon sessions.

### **Call for Participation**

We invite high quality, original submissions for presentation during the workshop. Contributions from the following areas are especially welcome:

- \* object recognition and localization
- \* image scene analysis
- \* human pose estimation
- \* image and video segmentation
- \* video analysis/surveillance
- \* shape analysis
- \* medical image analysis

We also invite submissions from related domains including theoretic results relevant to the workshop's topic.

Emphasis of the submissions should lie on aspects relevant to the workshop topic, e.g. new learning methods for structured models, modeling of new problems with prior knowledge of domain structure, or efficient algorithms for inference in structured models. Papers must be in PDF format and should not exceed 8 pages (CVPR format). All submissions are subject to a double-blind review process by the program committee. Further details about the submission process can be found on the workshop homepage.

### **Important Dates**

- \* Deadline for submission of papers: 27th March 2010
- \* Notification of acceptance: 21th April 2010
- \* Camera-ready submission: 5th May 2010
- \* Workshop date: 14th June 2010

### **Workshop Organizers**

- \* Christoph Lampert, IST Austria
- \* Vittorio Ferrari, ETH Zurich
- \* Peter Gehler, ETH Zurich

The organizers can be contacted through [smicv2010@tuebingen.mpg.de](mailto:smicv2010@tuebingen.mpg.de).