BMVA

British Machine Vision Association and Society for Pattern Recognition

Call for Participation

Visual Recognition

www.bmva.ac.uk/meetings

One Day BMVA symposium in London, UK February 23, 2006
(Provisional date)

Chairs: Jiri (George) Matas (Czech Technical University Prague & University of Surrey) and Krystian Mikolajczyk (TU Darmstadt & University of Surrey)

Visual recognition is a fundamental problem in computer vision. Recently, noticeable progress has been achieved in some rather restricted areas, e.g. in robust recognition of rigid, locally planar objects with distinctively textured surfaces. However, most visual recognition problems appear to be much more challenging and significant progress is yet to be made. Such problems include object class recognition (categorisation) recognition of non-compact or wire-like objects, recognition of natural objects like trees, non-rigid object recognition and other. Consequently, some visual recognition methods are reaching a mature state where industrial application is possible and focus shifts to efficiency and robustness and yet other areas are in stage of problem formulation and first ad hoc attempts.

We solicit contributions covering work related to any aspect of visual recognition. Presentations will cover, but are not limited to, the following topics:

- Object Recognition
- Categorisation (object class recognition)
- Object recognition in video sequences, interplay between recognition and tracking
- Texture recognition
- Shape-based recognition
- Indexing techniques for large scale visual recognition
- Object-level image retrieval
- Methods for establishing correspondences
- Learning for visual recognition
- Perceptual grouping and segmentation for object recognition
- Natural image statistics for visual recognition
- Covariant region detectors (interest points, distinguished regions)
- Non-rigid matching
- Multi-view matching techniques
- Multi-view object representation
- Appearance-based recognition techniques
- Performance evaluation of visual recognition methods
- Applications of object recognition techniques

Please submit an extended summary of about one A4-sized page (no longer than two pages) in length (PDF preferred). Send contributions by email attachment (1Mb max please!) to J. Matas (<matas@cmp.felk.cvut.cz>) by December 1, 2005.