

Call for Papers

International Journal of Computer Vision

Special Issue on

Video Representations for Visual Recognition

Aims and Scope

Video understanding and activity recognition have seen exciting progress over the last decade. On one hand, new low-level and mid-level video representations have opened up the possibility of activity recognition “in the wild” as demonstrated on numerous recent benchmarks composed from YouTube, TV and movie videos. On the other hand, new challenging tasks have been addressed, extending the field beyond activity classification towards modeling the temporal and spatial structure of events, modeling relations between human actions, objects and scenes, recognizing person-person and person-object interactions, recognizing group activities and social roles of people, as well as understanding activities in the first-person view video. The current special issue welcomes original submissions with contributions to this dynamic and exciting field of research.

Topics of Interest

The topics of interest include, but are not limited to:

- Low-level and mid-level video representations for action recognition
- Advanced video representations beyond bag-of-visual-words
- Large-scale video event recognition and indexing
- Representations for video and text
- Modeling temporal structure of video for action recognition
- Modeling social roles of people in video
- Recognition of interactions and group activities
- Action recognition in first person view
- Temporal prediction

Submission details

Authors are encouraged to submit high-quality, original work that has neither appeared in, nor is under consideration by, other journals. All open submissions will be peer reviewed subject to the standards of the journal. Manuscripts based on previously published conference papers must be extended. Manuscripts should be submitted to: <http://visi.edmgr.com>. Detailed instructions are available on the IJCV website. When submitting a manuscript, please select "S.I. : Video Recognition" in the menu "Choose Article Type".

Important dates

Paper submission deadline: May 15, 2014

Final manuscript due: early 2015

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