JMLR Special Topic on Gesture Recognition

Deadline: February 15, 2014

The Journal of Machine Learning Research announces a new call-for-papers for the special topic on gesture recognition.

Papers relevant to this topic may be submitted to the journal. Please also send email to the guest Editors with your paper number at gesture@clopinet.com

The participants of the 2013 ICMI CHALEARN Multi-modal Gesture Challenge are strongly encouraged to submit a paper.

Scope

The scope of this special issue includes, but is not limited to, the following topics:

- Algorithms for gesture and activity recognition, in particular addressing:
    - Learning from unlabeled or partially labeled data
    - Learning from few examples per class, and transfer learning
    - Continuous gesture recognition and segmentation
    - Deep learning architectures, including convolutional neural networks
    - Gesture recognition in challenging scenes, including cluttered/moving backgrounds or cameras
    - Large scale gesture recognition
    - Multi-modal features for gesture recognition, including non-conventional input sources, such as inertial, depth or thermal data
    - Integrating information from multiple channels (e.g., position/motion of multiple body parts, hand shape, facial expressions)
- Applications pertinent to the topic, such as:
    - Video surveillance
    - Image or video indexing and retrieval
    - Recognition of sign languages for the deaf
    - Emotion recognition and affective computing
    - Computer interfaces
    - Virtual reality
    - Robotics
    - Ambient intelligence
    - Games
- Datasets and benchmarks for gesture recognition

The papers of the special topic of JMLR will also be reprinted as a book in the CiML series of Microtome.

Guest Editors

Dr. Isabelle Guyon, ChaLearn, Berkeley, California.
Dr. Vassilis Athitsos, Texas University
Dr. Sergio Escalera, University of Barcelona & Computer Vision Center

For further instructions about the submission procedure please read the JMLR policies http://jmlr.org/ or send an email to the special topic guest editors to gesture@clopinet.com

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Recommendations to competitors invited to write a JMLR paper:

JMLR is a very selective publication and your paper will undergo a regular journal review.

Your chances of acceptance will be increased if:

- You clearly motivate your approach from a practical and theoretical standpoint
- You present a consistent set of experiments (using the development data) showing a significant advantage over other methods
- You cite your final evaluation results in the challenge
- You make sure that your paper is well organized, well written, with good references, figures, and tables

We recommend not to exceed 20 pages.