Accepted Manuscript

Semantic Action Recognition by Learning a Pose Lexicon

Lijuan Zhou, Wanqing Li, Philip Ogunbona, Zhengyou Zhang

PII: S0031-3203(17)30259-5
DOI: 10.1016/j.patcog.2017.06.035
Reference: PR 6200

To appear in: *Pattern Recognition*

Received date: 31 January 2017
Revised date: 11 June 2017
Accepted date: 30 June 2017

Please cite this article as: Lijuan Zhou, Wanqing Li, Philip Ogunbona, Zhengyou Zhang, Semantic Action Recognition by Learning a Pose Lexicon, *Pattern Recognition* (2017), doi: 10.1016/j.patcog.2017.06.035

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Hihglihgts

- A novel semantic representation, pose lexicon, is proposed for action recognition.
- An extended hidden Markov alignment model is developed to learn a pose lexicon.
- Develop a semantic recognition method that is capable of zero-shot recognition.
- The proposed learning and recognition algorithms were evaluated on five datasets.

ACCEPTED MANUSCRIPT

Download English Version:

https://daneshyari.com/en/article/4969633

Download Persian Version:

https://daneshyari.com/article/4969633

Daneshyari.com