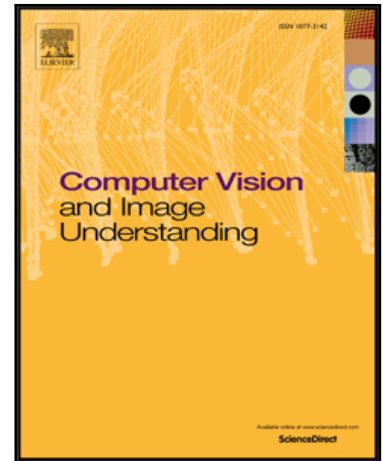


Accepted Manuscript

Multi-Object Tracking Through Learning Relational Appearance Features and Motion Patterns

Jeonghwan Gwak

PII: S1077-3142(17)30096-6
DOI: [10.1016/j.cviu.2017.05.010](https://doi.org/10.1016/j.cviu.2017.05.010)
Reference: YCVIU 2577



To appear in: *Computer Vision and Image Understanding*

Received date: 7 September 2016
Revised date: 27 April 2017
Accepted date: 22 May 2017

Please cite this article as: Jeonghwan Gwak , Multi-Object Tracking Through Learning Relational Appearance Features and Motion Patterns, *Computer Vision and Image Understanding* (2017), doi: [10.1016/j.cviu.2017.05.010](https://doi.org/10.1016/j.cviu.2017.05.010)

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.

Highlights

- A new MOT system based on discriminative relational features-based data association is proposed.
- Both linear and non-linear motion patterns learning is adopted to facilitate the MOT system.
- Comparisons with the state-of-the-art MOT systems on public datasets show that the significance of the proposed MOT system in terms of both accuracy and execution time.

Download English Version:

<https://daneshyari.com/en/article/4968699>

Download Persian Version:

<https://daneshyari.com/article/4968699>

[Daneshyari.com](https://daneshyari.com)