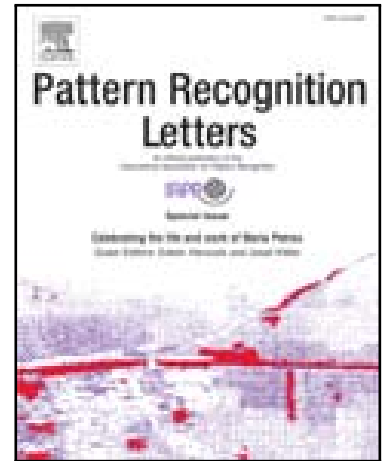


Accepted Manuscript

Intelligent video surveillance for real-time detection of suicide attempts

Wassim Bouachir, Rafik Gouiaa, Bo Li, Rita Noumeir

PII: S0167-8655(18)30096-5
DOI: [10.1016/j.patrec.2018.03.018](https://doi.org/10.1016/j.patrec.2018.03.018)
Reference: PATREC 7113



To appear in: *Pattern Recognition Letters*

Received date: 3 October 2017
Revised date: 25 January 2018
Accepted date: 18 March 2018

Please cite this article as: Wassim Bouachir, Rafik Gouiaa, Bo Li, Rita Noumeir, Intelligent video surveillance for real-time detection of suicide attempts, *Pattern Recognition Letters* (2018), doi: [10.1016/j.patrec.2018.03.018](https://doi.org/10.1016/j.patrec.2018.03.018)

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 real-time intelligent system for detecting suicide by hanging in prisons is introduced.
- A challenging dataset including realistic videos simulating suicidal behavior is created.
- An efficient algorithm is used to rebalance the dataset by oversampling the minority class.
- Numerous experiments have been done using several classifiers.
- A high detection accuracy has been obtained.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/6940234>

Download Persian Version:

<https://daneshyari.com/article/6940234>

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