

Accepted Manuscript

Handwritten Digit Segmentation: Is it still necessary?

A.G. Hochuli, L.S. Oliveira, A.S. Britto Jr, R. Sabourin

PII: S0031-3203(18)30003-7
DOI: [10.1016/j.patcog.2018.01.004](https://doi.org/10.1016/j.patcog.2018.01.004)
Reference: PR 6413

To appear in: *Pattern Recognition*

Received date: 3 January 2017
Revised date: 31 December 2017
Accepted date: 7 January 2018

Please cite this article as: A.G. Hochuli, L.S. Oliveira, A.S. Britto Jr, R. Sabourin, Handwritten Digit Segmentation: Is it still necessary?, *Pattern Recognition* (2018), doi: [10.1016/j.patcog.2018.01.004](https://doi.org/10.1016/j.patcog.2018.01.004)



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

- Modular system without segmentation to recognize unconstrained numerical strings.
- It uses representation learning for string length classification and digit classification
- It outperforms all segmentation algorithms available in the literature on the Touching Pairs Database.
- It achieves state-of-the-art performance on NIST SD19 dataset

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/6939166>

Download Persian Version:

<https://daneshyari.com/article/6939166>

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