## Accepted Manuscript

A selectional auto-encoder approach for document image binarization

Jorge Calvo-Zaragoza, Antonio-Javier Gallego

 PII:
 S0031-3203(18)30309-1

 DOI:
 https://doi.org/10.1016/j.patcog.2018.08.011

 Reference:
 PR 6640

To appear in:

Pattern Recognition

Received date:19 September 2017Revised date:31 July 2018Accepted date:27 August 2018



Please cite this article as: Jorge Calvo-Zaragoza, Antonio-Javier Gallego, A selectional auto-encoder approach for document image binarization, *Pattern Recognition* (2018), doi: https://doi.org/10.1016/j.patcog.2018.08.011

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 selectional autoencoder approach for document image binarization is studied.
- The neural network is devoted to learning an imagetoimage binarization.
- Comprehensive experimentation with datasets of different typology is presented.
- Results demonstrate that the approach is able to outperform the state of the art.

1

Download English Version:

## https://daneshyari.com/en/article/10146086

Download Persian Version:

https://daneshyari.com/article/10146086

Daneshyari.com