## **Accepted Manuscript**

Automatic Web Content Personalization Through Reinforcement Learning

Stefano Ferretti, Silvia Mirri, Catia Prandi, Paola Salomoni

PII: S0164-1212(16)00044-3 DOI: 10.1016/j.jss.2016.02.008

Reference: JSS 9678

To appear in: The Journal of Systems & Software

Received date: 20 December 2014
Revised date: 1 October 2015
Accepted date: 4 February 2016



Please cite this article as: Stefano Ferretti, Silvia Mirri, Catia Prandi, Paola Salomoni, Automatic Web Content Personalization Through Reinforcement Learning, *The Journal of Systems & Software* (2016), doi: 10.1016/j.jss.2016.02.008

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

### Highlights

- We model users' preference and special needs in terms of Web content legibility and readability
- Our system exploits a reinforcement learning mechanism, with the aim of understanding and predicting users' behaviors and needs.
- Our system performs automatic adaptation of Web Content
- We conducted simulations and tests with real users to confirm viability of our proposal

#### Download English Version:

# https://daneshyari.com/en/article/6885447

Download Persian Version:

https://daneshyari.com/article/6885447

<u>Daneshyari.com</u>