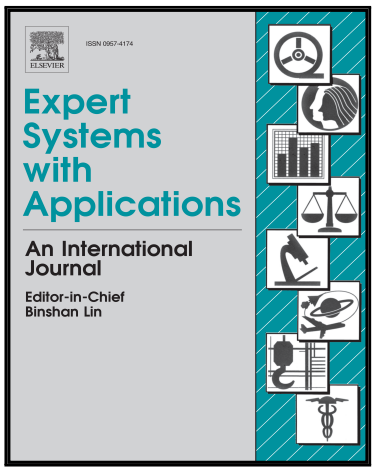
Accepted Manuscript



Semantic Maps from Multiple Visual Cues

Ioannis Kostavelis, Antonios Gasteratos

PII: S0957-4174(16)30545-0
DOI: 10.1016/j.eswa.2016.10.014
Reference: ESWA 10919

To appear in: *Expert Systems With Applications*

Received date: 14 March 2016
Revised date: 9 October 2016
Accepted date: 10 October 2016

Please cite this article as: Ioannis Kostavelis, Antonios Gasteratos, Semantic Maps from Multiple Visual Cues, *Expert Systems With Applications* (2016), doi: 10.1016/j.eswa.2016.10.014

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

- Semantic mapping based on place and object recognition strategies
- Place recognition involves learning through bag of visual words
- Object recognition relies on HTM deep learning
- Decision making endorses time embedded voting for objects and places
- Topometric map is associated with place belief distribution

ACCEPTED MANUSCRIPT

Download English Version:

https://daneshyari.com/en/article/4943637

Download Persian Version:

https://daneshyari.com/article/4943637

Daneshyari.com