

## International Journal of Computer Science and Mobile Computing

A Monthly Journal of Computer Science and Information Technology

ISSN 2320-088X



*IJCSMC, Vol. 3, Issue. 1, January 2014, pg.204 – 209*

### **RESEARCH ARTICLE**

# **An Optimized Solution to Map Web User Profile Based on Domain Ontology**

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*Abstract— Ontology defines concepts, attributes and relations used to describe and represent an area of knowledge. The aim of this paper is to create a personalized ontology for web information gathering using language processing techniques. When representing user profiles, many models have utilized only knowledge from either a global knowledge base or user's local information. To generate user's local instance repositories to match the representation of a global knowledge base and to develop a combined ontology using strategies like ontology mapping technique, text categorization, jakard and cosine similarity methods are used to evaluate the efficiency.*

**Keywords— Ontology; Text categorization; Jakard and Cosine Techniques**

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Full Text: <http://www.ijcsmc.com/docs/papers/January2014/V3I1201426.pdf>