# International Journal of Information Technology and Web Engineering

April-June 2014, Vol. 9, No. 2

## **Table of Contents**

### RESEARCH ARTICLES

#### Requirement Estimation and Design of Tag software in Web Application

Karan Gupta, Department of Computer Science, University of Delhi, New Delhi, Delhi, India Anita Goel, Department of Computer Science, Dyal Singh College, University of Delhi, New Delhi, Delhi, India

#### 20 Schema Change Operations for Full Support of Schema Versioning in the τXSchema Framework

Zouhaier Brahmia, University of Sfax, Sfax, Tunisia Fabio Grandi, University of Bologna, Bologna, Italy Barbara Oliboni, University of Verona, Verona, Italy Rafik Bouaziz, University of Sfax, Sfax, Tunisia

# 47 An Efficient and Accurate Discovery of Frequent Patterns Using Improved WARM to Handle Large Web Log Data

Sahaaya Arul Mary, Jayaram College of Engineering and Technology, Tiruchirappalli, Tamil Nadu, India M. Malarvizhi, J.J. College of Engineering and Technology, Tamil Nadu, India

#### 65 Enhanced Utility in Search Log Publishing of Infrequent Items

S. Belinsha, Department of Computer Science and Engineering, VSB Engineering College, Karur, Tamil Nadu, India A.P.V. Raghavendra, Department of Computer Science and Engineering, VSB Engineering College, Karur, Tamil Nadu, India

#### 78 Ranking Web Services using Web Service Popularity Score

Selwa Elfirdoussi, 1LISI Laboratory, Computer Science Department, Faculty of Sciences, Cadi Ayyad University, Marrakech, Morocco

Zahi Jarir, 1LISI Laboratory, Computer Science Department, Faculty of Sciences, Cadi Ayyad University, Marrakech, Morocco

Mohamed Quafafou, CNRS, LSIS UMR 7296, Aix-Marseille Université, Marseille, France

#### Copyright

The International Journal of Information Technology and Web Engineering (IJITWE) (ISSN 1554-1045; eISSN 1554-1053), Copyright © 2014 IGI Global. All rights, including translation into other languages reserved by the publisher. No part of this journal may be reproduced or used in any form or by any means without written permission from the publisher, except for noncommercial, educational use including classroom teaching purposes. Product or company names used in this journal are for identification purposes only. Inclusion of the names of the products or companies does not indicate a claim of ownership by IGI Global of the trademark or registered trademark. The views expressed in this journal are those of the authors but not necessarily of IGI Global.

The International Journal of Information Technology and Web Engineering is indexed or listed in the following: ACM Digital Library; Australian Business Deans Council (ABDC); Bacon's Media Directory; Burrelle's Media Directory; Cabell's Directories; Compendex (Elsevier Engineering Index); CSA Illumina; DBLP; Gale Directory of Publications & Broadcast Media; GetCited; Google Scholar; INSPEC; JournalTOCs; MediaFinder; SCOPUS; The Index of Information Systems Journals; The Standard Periodical Directory; Ulrich's Periodicals Directory